**MOR2—Mongolian Rangelands & Resilience Project**

**A survey for herders**

Over the past century, coupled human-natural systems in Mongolia were affected considerably by changing political, socio-economic and ecological environments. We are interested in learning how herding communities of rural Mongolia respond to these changes and how they are able to cope with change and adapt over time. We would like to better understand your practices and opinions about pastureland conditions and protection.

Respondent’s Full Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Household Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Aimag:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Soum:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bag:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CBRM/Neighorhood:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GPS Location: Datum:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Lat:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Lon:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Survey Taker’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time at start:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time at end:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Other Notes on Questionnaire or Respondent:

*This questionnaire takes about 1 hour to complete. Thank you very much for your thoughtful responses. All of your responses will be kept confidential. Your participation is very much appreciated.*

|  |
| --- |
|  |

A Study Conducted by Colorado State University in Cooperation with the Mongolian Society for Range Management and the Center for Nomadic Pastoralism Studies

**I. HOUSEHOLD DEMOGRAPHICS**

First, we would like to know about who lives in your household and khot ail.

1.1 Please tell me the initials of all the people that live in your household. Then, please tell the age, sex, and highest level of education, marital status, and occupation of each household member. Please tell what relation each person is to the household head (e.g. spouse, child, son or daughter in law, parent, etc.).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Household member’s initials | Relationship to household head | 1.1.1  Sex | 1.1.2  Age | 1.1.3  Family status (single, married, divorced, widowed) | 1.1.4  Education | 1.1.5  Location (where does she/he live) |
|  | Household head |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |

1.2 How many households are in your *khot ail* (including yours)? (If 1, GO TO 1.4)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.3 Do you camp with these same households in all 4 seasons? 1 Yes 0 No

**II. LIVESTOCK PRODUCTION**

We are interested in learning about the productivity and dynamics of your livestock herd.

2.1 For the past year, please tell me the number of each type of animal, the number of females of each type, the number of live births, and the number of surviving young.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Camels | Cattle | Horses | Sheep | Goats |
| 2009 Total Herd (Dec) |  |  |  |  |  |
| Breeding females 2010 |  |  |  |  |  |
| Spring 2010 Live births |  |  |  |  |  |
| Summer 2010 Surviving young of year |  |  |  |  |  |
| 2010 Total Herd (Dec) |  |  |  |  |  |
| Spring 2011 Total Herd |  |  |  |  |  |

2.2 Please estimate the average amount of cashmere per adult male goat produced by goats in your herd the most recent year you harvested cashmere \_\_\_\_\_\_\_\_\_\_\_kg. Year and month\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.3 In 2010, in your household, how many head of each type of livestock did you consume and give away? How many of each type of livestock died and from what causes?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Consumed | Gift | Weather/Dzud | Stolen | Disease | Predator | Lost |
| Camels |  |  |  |  |  |  |  |
| Cattle |  |  |  |  |  |  |  |
| Horses |  |  |  |  |  |  |  |
| Sheep |  |  |  |  |  |  |  |
| Goats |  |  |  |  |  |  |  |

2.4 Are your livestock currently insured? 1 Yes (GO TO 2.6) 0 No (GO TO 2.5)

2.5 Were your livestock ever insured in the past? 1 Yes 0 No

2.6 Do you plan to purchase (or continue purchasing) livestock insurance in the future? 1 Yes 0 No

**III. SEASONAL MOVEMENTS AND OTHER MOBILITY**

In this section, we are interested in learning about your seasonal movement patterns.

3.1 Please tell me the names of all of your campsites (column 2 of table below) for the past 2 years, beginning with winter 2009[[1]](#footnote-1). What is the approximate date of each move (column 1). Tell me what is the season or type of camp (column 3). Please tell me the distance your family moved to arrive at this camp (column 4), and tell the type of transportation (column 5) you used to make this move. Be sure to tell otor moves as well.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Date | 2. Place Name  (Buuts, Bag, Soum, Aimag) | 3. (Sp)-Spring; (Su)-Summer; (Fa)-Fall; (Wi)-Winter; (O)-Otor; (H)-Hay; Other | 4. Distance of Move | 5. Transportation Used |
| 11/15/05 | Baruun Zadgai | Sp Sum Fall **Wi** Otor H Other | 24 km | truck |
| 2/20/06 | Narin Am | S Sum Fall Win Otor H Other | 5 km | camels |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |
|  |  | Sp Sum Fall Win Otor H Other |  |  |

3.2 In the past 5 years has this household moved temporarily outside of the countryside in this soum?

1 Yes, to the soum center

2 Yes, to the countryside in another soum or aimag

3 Yes, to an aimag center

4 Yes, to Ulaanbaatar or another city

5 Yes, to another location

6 No, we have stayed in the countryside in this soum throughout the past 5 years.

3.3 If “Yes” to any of the above, did you take your livestock with you?

1 Yes 0 No

**IV. RANGELAND AND HERD MANAGEMENT PRACTICES and ADAPTATION STRATEGIES**

This section of the questionnaire is about your livestock and pasture management practices.

4.1 Which of the following practices you have carried out in the **past 12 months (1 year)?**

|  |  |  |
| --- | --- | --- |
| **Practice** | **Yes** | **No** |
| a) Reserve winter pasture | 1 | 0 |
| b) Reserve spring pasture | 1 | 0 |
| c) Reserve dzud pasture | 1 | 0 |
| d) Fall (or summer) otor  (If Yes, specify if otor was: 1) within soum OR 2) outside of soum) | 1 | 0 |
| e) Winter otor  (If Yes, specify if otor was: 1) within soum OR 2) outside of soum) | 1 | 0 |
| f) Graze winter reserve pasture in summer or fall (own livestock) | 1 | 0 |
| g) Graze spring reserve pasture in summer or fall (own livestock) | 1 | 0 |
| h) Graze reserved dzud pasture in non-emergency times (own livestock) | 1 | 0 |
| i) Herd livestock belonging to another household *(taviul mal*) | 1 | 0 |
| j) Cull (sell or slaughter) unproductive animals in the fall | 1 | 0 |
| k) Cut hay (tons\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| l) Prepare hand fodder (amount\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| m) Purchase and store grain (type and amount in kg\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| n) Purchase and store concentrate (kg\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| o) Purchase other type of animal feed (type and amount\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| p) Vaccinate livestock | 1 | 0 |
| q) De-worm livestock | 1 | 0 |
| r) Treat livestock for external parasites | 1 | 0 |

4.2 Which of the following practices you have carried out in the past 5 years (circle all that apply):

|  |  |  |
| --- | --- | --- |
| **Practice** | **Yes** | **No** |
| a) Purchase improved breeding stock (with the intent to improve animal quality)   |  |  |  | | --- | --- | --- | | Camel | number:\_\_\_\_\_\_\_ | Male / Female | | Horse | number:\_\_\_\_\_\_\_ | Male / Female | | Cattle | number:\_\_\_\_\_\_\_ | Male / Female | | Sheep | number:\_\_\_\_\_\_\_ | Male / Female | | Goats | number:\_\_\_\_\_\_\_ | Male / Female | | 1 | 0 |
| b) Purchase animals with intent to increase herd size   |  |  |  | | --- | --- | --- | | Camel | number:\_\_\_\_\_\_\_ | Male / Female | | Horse | number:\_\_\_\_\_\_\_ | Male / Female | | Cattle | number:\_\_\_\_\_\_\_ | Male / Female | | Sheep | number:\_\_\_\_\_\_\_ | Male / Female | | Goats | number:\_\_\_\_\_\_\_ | Male / Female | | 1 | 0 |
| c) Intentionally change the species or proportion of different species of animals in your herd (i.e. not changes due to dzud). (specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| d) Sell animals to reduce herd size | 1 | 0 |
| e) Intentionally not breed animals in fall because of oncoming dzud winter | 1 | 0 |
| f) Fence reserve pasture (specify: winter spring dzud) | 1 | 0 |
| g) Fence hay area | 1 | 0 |
| h) Fence or improve an natural water source (e.g. spring) | 1 | 0 |
| i) Dig a new well | 1 | 0 |
| j) Repair an existing well | 1 | 0 |
| k) Plant fodder or grass | 1 | 0 |
| l) Use fertilizer (explain\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| m) Use irrigation (explain\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| n) Plant a garden for food | 1 | 0 |
| o) Take other actions to protect a key resource (e.g. limit grazing on shrubs or sensitive plants) | 1 | 0 |
| p) Take action to reduce or prevent soil erosion (specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| q) Hire someone to help with herding or other tasks (haying, winter shelter preparation, etc.) | 1 | 0 |
| r) Work for another herding household for wages or in exchange for animals, animal products, hay or fodder | 1 | 0 |
| s) Take part in formal monitoring of environmental conditions (measuring plants, water, animals, soil) | 1 | 0 |

4.3 In the past 5 years have you changed any of your herd or pasture management practices (other than those mentioned above)? 1 Yes 0 No

If yes, which ones and how?

……………………………………………………………………………………………………………………………

If yes, why are you making these changes?

……………………………………………………………………………………………………………………………

4.4 In the next 5 years, do you plan to make any changes in your herd or pasture management practices?

1 Yes 0 No

If yes, what changes do you plan to make?

……………………………………………………………………………………………………………………………

**V. LAND AND WATER TENURE**

In this section we are interested in learning about the pasture and water that you use for your animals throughout the year.

5.1 For each of the following resources (column heads), please tell us if your family has access to this resource, whether you have formal use or possession rights to the resources, and if you do have formal rights, who holds them.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 5.1.1  **Winter Campsite** | 5.1.2  **Winter Pasture** | 5.1.3  **Separate**  **Spring Campsite** | 5.1.4  **Separate**  **Spring Pasture** | 5.1.5 **Separate**  **Dzud Reserve**  **Pasture** | 5.1.6  **Hay-cutting Field** |
| A.  Does your household have or use a… | 1 Yes  0 No  2 Don’t know | 1 Yes  0 No  2 Don’t know | 1 Yes  0 No  2 Don’t know | 1 Yes  0 No  2 Don’t know | 1 Yes  0 No  2 Don’t know | 1 Yes  0 No  2 Don’t know |
| B.  If yes, does your household have a use or possession contract for your… | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know | 0 No  1 Yes  1.1 Use  1.2 Possession  1.3 Don’t know  2 Don’t know |
| C.  If yes, who holds the contract… | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know | 1 Household head  2 Household (all members)  3 A khot ail (all members together)  4 A CBREM organization  5 Other (specify \_\_\_\_\_\_\_\_\_\_\_\_)  6 Don’t know |

5.2 In the past 3 years (since 2008), has it ever occurred that another *ail's* livestock grazed on your winter or spring pasture? 1 Yes 0 No (GO TO 5.8)

5.3 If yes, specify if: 1 Winter reserve 2 Spring reserve 3 Both

5.4 If yes, did they ask you for permission? 1 Yes 0 No (GO TO 5.8)

5.5 If no, did you do anything to prevent, stop or punish them for grazing your reserved pasture?

1 Yes, we asked them not to

2 Yes, reported to bag or soum authorities

3 Yes, reported to CBREM organization

4 Yes, other action (specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

5 No, we did nothing prevent, stop or punish them

5.6 In what season did the other ail graze your winter or spring pastures? 1 Winter or spring 2 Summer 3 Fall

5.7 Did the other ail graze your reserve pasture because of a drought or dzud in their home soum or bag?

1. Yes, drought

2. Yes, dzud

3. Yes, drought and dzud both

4. No, there was no dzud or drought

5. Don’t know

5.8 Can you use pastures in other parts of the soum or in other soum when your pastures are damaged by climate hazards?

1. Yes, in other parts of our soum, but not in other soum

2. Yes, in other parts of our soum and in other soum

3. No

4. Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.9 In the past 3 years (since 2008), has another *ail* ever cut hay on your hay ground?

1 Yes

0 No (GO TO 5.11)

2 Not applicable (does not possess a hay field) (GO TO 5.12)

5.10 If yes, did that *ail* ask permission to cut your hay? 1 Yes (GO TO 5.12) 0 No

5.11 If no, did you do anything to try to prevent or stop them from cutting the hay, or to punish them for doing so?

1. Yes, we asked them not to

2. Yes, reported to bag or soum authorities

3. Yes, reported to CBREM organization

4. Yes, other action (specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

5. No, we did nothing prevent, stop or punish them

5.12 In the last 3 years, have you personally ever been involved in a dispute or disagreement over pasture, campsite or well use? 1 Yes 0 No

5.13 In your soum in the past three years (since 2008) how many times have such disputes/disagreements occurred?

1 Never

2 Less than 5

3 5-10

4 More than 10

5 Don't know

5.14 Since 2008 (last 3 years), has the number of disputes among herders over land, pasture or water:

1 Decreased a lot

2 Decreased somewhat

3 Not changed

4 Increased somewhat

5 Increased a lot

5.15 In your soum or bag, what is the most common way that disputes over pasture and water are settled?

1 The herders who have a disagreement settle it themselves

2 Respected and influential people help others to settle disputes

3 The bag governor settles disputes

4 The soum governor settles disputes

5 Herder group or organization settles disputes

6 No one settles disputes, we need another method

7 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**KNOWLEDGE EXCHANGE AND LEARNING**

In this section, we would like to learn about where you get information about weather, pasture and livestock management.

6.1 Where do you get your information about weather, pasture and livestock? Please tell us which of the following information sources you have used in the **1 year**?

|  |  |  |
| --- | --- | --- |
| 6.1 In the past year have you received information about weather, pasture and livestock from any of these sources (Circle all that apply): | Yes | No |
|
| a) Radio | 1 | 0 |
| b) Television | 1 | 0 |
| c) Newspapers, press | 1 | 0 |
| d) Computer or internet | 1 | 0 |
| e) Brochures or informational handbooks | 1 | 0 |
| f) Experts or professional people | 1 | 0 |
| g) Soum or bag governor | 1 | 0 |
| h) Local veterinarians | 1 | 0 |
| i) Herders in your khot-ail | 1 | 0 |
| j) Herders in your neighborhood (outside khot-ail) | 1 | 0 |
| k) Herders or visitors from outside your neighborhood | 1 | 0 |
| l) Bag or soum khural | 1 | 0 |
| m) Meeting of CBRM organization | 1 | 0 |
| n) Formal training, meeting or seminar held *inside your soum* | 1 | 0 |
| o) Formal training, meeting or seminar held *outside your soum* | 1 | 0 |
| p) Other information source (specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |

6.2 How many people do you personally know who can help you with the topics and issues below?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | None | | Some  (1-3 people) | Many  (>3 people) | |
| a) Livestock health, reproduction, and nutrition | 0 | 1 | | 2 |
| b) Livestock marketing | 0 | 1 | | 2 |
| c) Pasture rotation and resting | 0 | 1 | | 2 |
| d) Disaster preparedness and risk management | 0 | 1 | | 2 |
|  |  |  | |  |

# VII. SOCIAL RELATIONSHIPS

In this section of the questionnaire, we are interested in learning more about your community, local organizations, and how people get along together in your sum. First we will ask you about your relationships with organizations inside the soum, then outside the soum.

7.1 In the last 3 years, have you been an **active member** of any community organizations or committees ***in your soum***? (For example, a herder group, credit group, political group, women’s group, naadam committee etc.)

1 Yes 0 No (GO TO 7.3)

7.2 If yes, please tell me the names of all the groups you belong to (list the groups below):

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7.3 In the last 3 years, have you been an active member of any ***regional or national*** organizations, committees or groups? (For example, herder unions, soum homeland associations, national NGO, etc.)

1 Yes 0 No (GO TO 7.5)

7.4 If yes, please tell me the names of the groups you belong to (lists the groups below):

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7.5 Has your family experienced any financial or other hardships in the past **5 years** (for example dzud, illness of a family member, loss of employment)?

1 Yes (specify \_\_\_\_\_\_\_\_\_\_\_\_) 0 No (GO TO 7.7)

7.6 Thinking about this difficult time, who did you receive help or support from during this crisis (circle all that apply):

|  |  |  |
| --- | --- | --- |
| 7.6 Thinking about this difficult time, who did you receive help or support from during this crisis? (Circle all that apply): | Yes | No |
|
| a) Neighbors | 1 | 0 |
| b) Close family in the same soum | 1 | 0 |
| c) Close family who live in the aimag center or UB | 1 | 0 |
| d) Distant relatives | 1 | 0 |
| e) Friends | 1 | 0 |
| f) Local or national government (specify if known\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |
| g) Politicians | 1 | 0 |
| h) Religious leaders | 1 | 0 |
| i) CBRM organization | 1 | 0 |
| j) Development or aid agencies | 1 | 0 |
| k) NGOs | 1 | 0 |
| l) Banks | 1 | 0 |
| m) Insurance companies | 1 | 0 |
| n) Others (specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 |

7.7 To what extent do you agree or disagree with each of the following statements about people in your community? **(circle one number for *each* statement that most closely matches your response)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Disagree | Neutral | Agree |
| a) My community has good informal leaders whom we trust | 0 | 1 | 2 |
| b) My community has some knowledgeable and respected people that we can turn to for advice | 0 | 1 | 2 |
| c) People in my community always try to help each other (wool shearing, horse herding, movements, etc) | 0 | 1 | 2 |
| d) People in my community help each other out in times of need (dzud, flood, drought, family crisis). | 0 | 1 | 2 |
| e) Most people in my community are trustworthy | 0 | 1 | 2 |
| f) I know helpful organizations in my soum who support and collaborate with us | 0 | 1 | 2 |
| g) In my community, the local government pays attention to and listens to us | 0 | 1 | 2 |
| h) People in my community mainly look out for themselves. | 2 | 1 | 0 |
| i) If given the chance, people in my community will take advantage of others | 2 | 1 | 0 |
| j) I am concerned that our community is getting less friendly, people are less connected to each other, and are not looking out for each other as they used to do | 2 | 1 | 0 |

7.8 Have you participated in any of the following activities within last 12 months (1 year)?

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| a) Talked to your local authority or government about problems in your community | 1 | 0 |
| b) Talked with experts about rangeland issues | 1 | 0 |
| c) Joined in collective rangeland improvement or management initiatives | 1 | 0 |
| d) Joined with other community members to address any *other* type of problem or common issue | 1 | 0 |  |

**VIII. HOUSEHOLD PRODUCTION AND INCOME**

In this section we would like to learn about your household production & income from livestock and other ways that you make a living.

8.1 In the table below, please list all of the livestock products that you sold or traded in 2010, how much of each product you sold or traded, and the price you obtained.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Live | | Meat | | Wool, Hair | | Hides, Skins | | Milk & dairy products | | Other products |
| No | Tg | Kg | Tg | Kg | Tg | No | Tg | Lit | Tg |  |
| Sheep |  |  |  |  |  |  |  |  |  |  |  |
| Goat |  |  |  |  |  |  |  |  |  |  |  |
| Cattle |  |  |  |  |  |  |  |  |  |  |  |
| Horse |  |  |  |  |  |  |  |  |  |  |  |
| Camel |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |

8.2 In 2010, where and how did you sell most of your livestock products:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **8.2.1 Where sold** | **8.2.2 To whom** | **8.2.3By whom** |
| Cashmere | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Live animals | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Meat | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Wool, Hair | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Skins and Hides | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Milk & Dairy products | 1 Soum countryside  2 Soum center  3 Aimag center  4 Ulaanbaatar  5 Other location\_\_\_\_\_\_\_\_\_\_ | 1 Private trader  2 Official business or corporation  3 Directly to consumer (e.g. in a marketplace)  4 Government organization  5 Cooperative  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 Member of this household  2 Member of khot ail  3 Other relative or friend  4 Marketing cooperative  5 CBREM organization  6 Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

8.3 In 2010, other than selling livestock or livestock products, what kinds of income did your household receive? In the table below, list the total income you received from each source in 2008 (you may need to multiply your monthly income from a source such as a pension by the # of months you received that income). Please include ALL sources of income, even if they are very small.

|  |  |
| --- | --- |
| **Type of Income** | **Amount (Tug)** |
| 1. Pension |  |
| 1. Other government payments (child support) |  |
| 1. Salary |  |
| 1. Wage labor |  |
| 1. Mining |  |
| 1. Handicraft sales |  |
| 1. Hunting |  |
| 1. Small business |  |
| 1. Herding others’ livestock |  |
| 1. Vegetable farming |  |
| 1. Remittances |  |
| 1. Rent |  |
| 1. Interest from loans |  |
| 1. Interest or profits from investments |  |
| 1. Cash aid from development agency (dzud) |  |
| 1. Cash gift from family or friends |  |
| 1. Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

8.4 Last year, how much did your household spend on the following expenses?

|  |  |  |
| --- | --- | --- |
| **Expense** | **Amount Purchased** | **Tugriks Spent** |
| 1. Flour |  |  |
| 1. Rice |  |  |
| 1. All other food |  |  |
| 1. Furniture and household items   (pots, pans) |  |  |
| 1. Clothing & shoes/boots |  |  |
| 1. Human medicine |  |  |
| 1. Children’s school fees/expenses |  |  |
| 1. Taxes |  |  |
| 1. Hay |  |  |
| 1. Other livestock feed (grain, concentrate) |  |  |
| 1. Purchase livestock |  |  |
| 1. Livestock medicine, vaccinations, veterinary services |  |  |
| 1. Transportation (fuel, vehicle maintenance, parts) |  |  |
| 1. Wages paid to others |  |  |
| 1. Winter shelter repair |  |  |
| 1. Costs for Tsagaan Saar, Naadam and other festivals that are not included in any of the categories above |  |  |
| 1. Other expenses (specify) |  |  |

8.5 Have you taken out a loan in the past 12 months? 1 Yes 0 No (GO TO 8.7)

8.6 From where did you borrow?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yes | No | Did you repay? | |
| Yes | No |
| a) Bank (amount \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 | 1 | 0 |
| b) Revolving fund (amount\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 | 1 | 0 |
| c) Private individual (amount\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 | 1 | 0 |
| d) Other (amount\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | 1 | 0 | 1 | 0 |

8.7 Do you have any of the following items in your household?

|  |  |  |
| --- | --- | --- |
| 8.6 Do you have any of the following items in your household? (Circle all thatapply): | Yes | N |
|
| a) Mobile phone | 1 | 0 |
| b) Radio | 1 | 0 |
| c) Television | 1 | 0 |
| d) Motorcycle | 1 | 0 |
| e) Car | 1 | 0 |
| f) Truck or tractor | 1 | 0 |
| g) Cattle, camel or horse cart | 1 | 0 |
| h) Refrigerator | 1 | 0 |
| i) Butter churn | 1 | 0 |
| j) Gasoline generator (e.g. Honda Motor) | 1 | 0 |
| k) Windmill | 1 | 0 |
| l) Solar panel | 1 | 0 |
| m) Electric light (“gerel tuulek”) | 1 | 0 |
| n) Book, newspaper or magazine | 1 | 0 |
| o) Computer | 1 | 0 |

8.8 In your soum, are most herders today are:

5 Much better off than they were in 2006

4 Somewhat better off than they were in 2006

3 No better or worse off than they were in 2006

2 Somewhat worse off than they were in 2006

1 Much worse off than they were in 2006

8.9 In your soum, pasture conditions today are:

5 Much better off than they were in 2006

4 Somewhat better off than they were in 2006

3 No better or worse off than they were in 2006

2 Somewhat worse off than they were in 2006

1 Much worse off than they were in 2006

**IX. SOCIAL CAPITAL FOR HERDER GROUP MEMBERS (If you are not a member of a herder group, please skip this section)**

In this section, we are interested in learning more about the relationships and activities of herder groups

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9.1 In the past 12 months, about how many times did you attend… | | None | 1- 2 times a year | Once a quarter | Every other month | | Once a month | | Once a week | | More than once a week | | |
| …group meetings? | | 1 | 2 | 3 | 4 | | 5 | | 6 | | 7 | | |
| …group activities (e.g. field trips, training workshops, group work)? (excluding meetings) | | 1 | 2 | 3 | 4 | | 5 | | 6 | | 7 | | |
|  | 9.2 Thinking about the present, or the last time you participated in this group, to what extent do you feel each of the following statements describes the participants of your herder group, NOW?   |  |  |  |  | | --- | --- | --- | --- | |  | Disagree | Neutral | Agree | | 1. Members communicate openly and clearly with each other. | 0 | 1 | 2 | | 1. Members are willing to listen to each other. | 0 | 1 | 2 | | 1. Members are willing to compromise on difficult issues. | 0 | 1 | 2 | | 1. Members respect each others’ viewpoints. | 0 | 1 | 2 | | 1. Members consider all participants’ input equally. | 0 | 1 | 2 | | 1. Members are committed to the group. | 0 | 1 | 2 | | 1. Members recognize the value of the group. | 0 | 1 | 2 | | 1. Members share resources (e.g., time, labor, money). | 0 | 1 | 2 | | 1. Members openly share information. | 0 | 1 | 2 | | 1. Members share similar goals as me. | 0 | 1 | 2 |   9.3 To what extent do you disagree or agree with each of the following statements regarding the **success** of the group) **(circle one number for *each* statement that most closely matches your response)** | | | | | | | | | | | |
| I feel… | | | | | | Disagree | | Neutral | | Agree | |
| 1. …everyone who wants to participate had a fair chance to do so | | | | | | 0 | | 1 | | 2 | |
| 1. …the group is effective in fulfilling it purpose. | | | | | | 0 | | 1 | | 2 | |
| 1. …the group has found common solutions to problems (e.g. created a pasture management plan). | | | | | | 0 | | 1 | | 2 | |
| 1. …the group has taken actions to implement key agreements (e.g. a pasture management plan) | | | | | | 0 | | 1 | | 2 | |
| 1. …I have benefited from belonging to the herder group | | | | | | 0 | | 1 | | 2 | |
| 1. …relationships among group members have improved through participating in the group. | | | | | | 0 | | 1 | | 2 | |
| 1. …the pasture is better off now than before the herder group was organized. | | | | | | 0 | | 1 | | 2 | |
| 1. ...the community is better off now than before the herder group was organized. | | | | | | 0 | | 1 | | 2 | |

**This is the end of the survey. Thank you very much for your time. Is there anything else you would like us to know or any comments you would like to add?**

1. As data were collected in 2011 and 2012, movement years started from 2009 or 2010 for respondents. Hence in SPSS, we coded two variables as “movement in the year prior to the study” (meaning 2010 for some and 2011 for others) and “movement in the year before the prior to the study year” that refer as 2009 for some and 2010 for others respectively. [↑](#footnote-ref-1)