



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠮᠤᠯᠠ ᠰᠤᠮᠤᠯᠠ

**Regional Course on Costs of Agricultural Production Statistics,
Communication and Advocacy for Statistics,
Daejeon, Republic of Korea
26 June – 30 June 2017**

MONGOLIA



www.nso.mn



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠮᠤᠯᠠ ᠰᠤᠮᠤᠯᠠ

CONTENTS

- I. Agricultural census
 - Legal background
 - Classification, scope, period,
 - Data collection forms
- II. Livestock census
- III. Agricultural statistical system
- IV. Livestock sector in economy of Mongolia
- V. Agriculture sector in economy of Mongolia
- VI. Way forward



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠮᠤᠯᠠ ᠰᠤᠮᠤᠯᠠ

LEGAL BACKGROUND

It was included in part “I”, clause 1, article 7 of Statistic Law of Mongolia “To conduct regular agricultural census every 10 years and inter census and surveys every 5 years”, dated on December 1, 2011

The first agricultural census for 2011 was based on the clauses 1, 5 article 7 of “Statistic Law” of Mongolia, part 1 article 43 “Law on Administrative Responsibility” of Mongolia

Resolution no.137 on “Conducting regular agricultural census” by the Government of Mongolia, dated on April 25, 2012

Decision no.61 on “Concepts of agricultural census, questionnaire forms and instructions of agricultural census” approved by Chairman of National Statistical Office, dated on April 11, 2012.



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠮᠤᠯᠠ ᠰᠤᠮᠤᠯᠠ

CLASSIFICATION, SCOPE, PERIOD, CONCEPT

Classification:

- Regionalization code of Mongolia
- International Standard Industrial Classification of All Economic Activities, (ISIC-4.0)
- Central Product Classification, (CPC-2.0)

Scope:

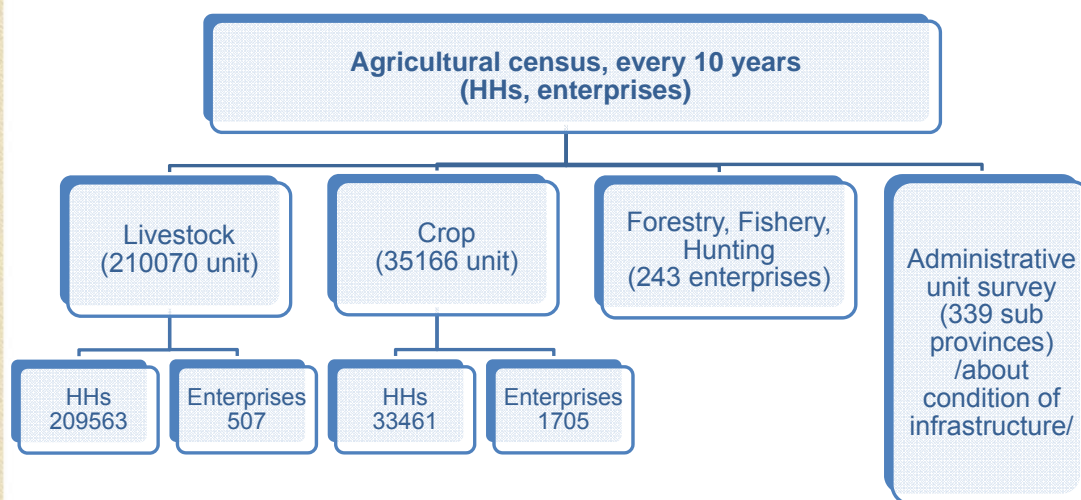
- Households and enterprises, which have livestock and crop production activities
- Enterprises which have forestry, fishery and hunting activities

Period:

- Data collection
25 May – 5 June 2012

**CLASSIFICATION, SCOPE, PERIOD, CONCEPT**

Covered units:

**DATA COLLECTION FORMS**

Data collected by Face-to-face interviews with paper forms. Eight questionnaire forms were used:

- ✓ Household survey which engaged activities of livestock (sample survey, 104 indicators)
- ✓ Enterprises survey which engaged activities of livestock (full enumeration, 62 indicators)
- ✓ Household survey which engaged activities of crop (full enumeration, 126 indicators)
- ✓ Enterprises, running crops production (full enumeration, 86 indicators)
- ✓ Enterprises, running forestry activities (full enumeration, 42 indicators)
- ✓ Enterprises, running hunting activities (full enumeration, 36 indicators)
- ✓ Enterprises, running fishery activities (full enumeration, 36 indicators)
- ✓ Survey on local administrative units (full enumeration, 19 indicators)



ᠮᠤᠩᠭᠡᠯᠢ ᠶ᠋ᠢᠨ ᠰᠤᠮᠤᠯᠤᠯ ᠠᠨᠤᠯᠤᠰ

II. LIVESTOCK CENSUS- HISTORY

Year	Census	Scope	Comment
1918 - 1924	Livestock census	By provinces	Number of livestock by type of animals (horse, cow, camel, sheep, goat) Data located in General Archival Authority
1924 - 1970	Livestock census	By provinces	Number of livestock by type of animals (horse, cow, camel, sheep, goat)
1970-2013	Livestock census	By sub-provinces	Number of livestock by type of animals (horse, cow, camel, sheep, goat) Total number of livestock husbandry, Breeding livestock, Social and cultural indicators of household, Fodder etc.
2005-2014	Livestock sample survey	By sub-provinces	Number of livestock by type of animals (horse, cow, camel, sheep, goat) Semi-annual livestock census has been conducted
2008-2012	Livestock census	By the lowest administrative units (Bag, Khoroo) and HHs, enterprises	Number of livestock by type of animals (horse, cow, camel, sheep, goat) 31 indicators of 12 sets
Since 2012	Livestock census	On line database By low administrative units (Bag, Khoroo) and HHs, enterprises	Number of livestock by type of animals (horse, cow, camel, sheep, goat) 31 indicators of 12 sets



ᠮᠤᠩᠭᠡᠯᠢ ᠶ᠋ᠢᠨ ᠰᠤᠮᠤᠯᠤᠯ ᠠᠨᠤᠯᠤᠰ

II. LIVESTOCK CENSUS

Purpose of livestock census

Make a government policy and preparation of the data required to assess the implementation of the development of agriculture sector.

Estimate and analyze the actual production of Livestock sector.

Determine the growth rate of livestock and identify structural changes in animals.

Increase the usage of general information database of herder and make close public service to residents/citizens.



II. LIVESTOCK CENSUS-QUESTIONNAIRE

ᠮᠤᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠰᠤᠮᠤᠯᠠᠭ ᠠᠨᠤᠯᠤᠰ

I. Address

1. Location
2. Household information
 - a. Main household information
 - b. Other animals information on the household owning
3. Enterprises information

II. Main indicators

1. Total livestock, by type, age and sex
2. Changes of livestock, by type
3. Changes of breeding stock, by type
4. Changes of new born, by type
5. Number of livestock crossbred, thoroughbred and freshbred
6. Domestic Animal Products and Sales of Products
7. Some social indicators
8. Prepared fodder
9. Staff working in the production of agricultural
10. Machinery used in the production of agricultural
11. Water hole, reservoir
12. Pound
13. Whether members of cooperative, fellowship, group



III. AGRICULTURAL STATISTICAL SYSTEM

ᠮᠤᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠰᠤᠮᠤᠯᠠᠭ ᠠᠨᠤᠯᠤᠰ

Methodology

- ✓ Compiled in accordance with a concept, recommendations UNFAO

Classification:

- ✓ ISIC 4.0
- ✓ CPC 2.0

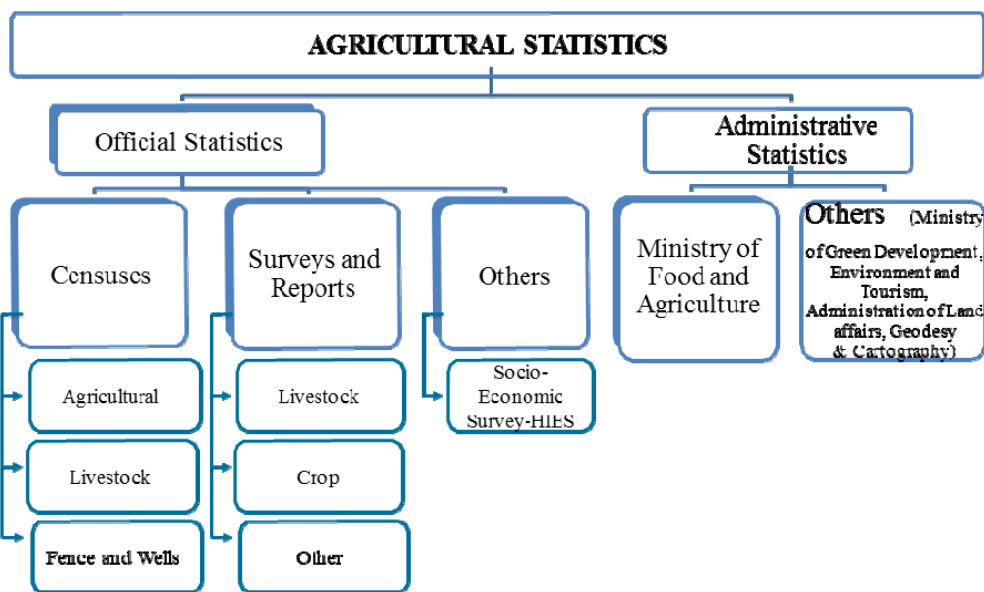
Data producers:

- ✓ NSOM – 2 persons
- ✓ Provinces (Aimags and the Capital city) – 22 persons
- ✓ Sub-provinces (Soum and Districts) – 330 persons
- ✓ Bag and Khoroos – 1740 persons
- ✓ In total - 2094



ᠮᠣᠩᠭᠣᠯᠤ ᠰᠠᠭᠤᠨ ᠰᠢᠳᠤᠰᠤ

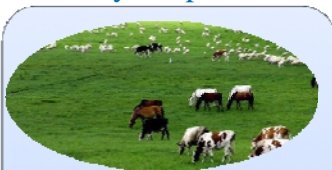
III. AGRICULTURAL STATISTICAL SYSTEM



ᠮᠣᠩᠭᠣᠯᠤ ᠰᠠᠭᠤᠨ ᠰᠢᠳᠤᠰᠤ

III. AGRICULTURAL STATISTICAL SYSTEM

Surveys, reports



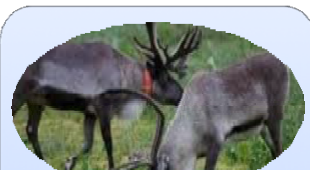
Livestock

- Price on Agricultural Products (monthly)
- Rearing of young animals (3-5, 9-12 months)
- Losses of adult animals (1-5, 9-12 months)



Crops

- Sown areas (5-7 months)
- Crops (8-11 months)
- Annual enterprise survey



Others

- Annual enterprise survey on
 - Fishery
 - Forestry
 - Hunting
- Veterinary reports (quarterly)
- Food security indicators
 - Socio-economic survey (former HIES)
 - Administrative data from related lime ministries

Data SOURCE: Households, Entities



III. AGRICULTURAL STATISTICAL SYSTEM

Administrative statistics

II.1 Reports from Ministry of Food and Agriculture

Livestock	Crop
1. Livestock insemination	6. Techniques readiness for hay work
2. Number of wells and utilization	7. Techniques readiness for crop
3. Hay making, pasture and grassland protection	8. Available seed
4. Intensive livestock farming survey	9. Water reservoir survey
5. Techniques readiness for soil cultivation and sowing	

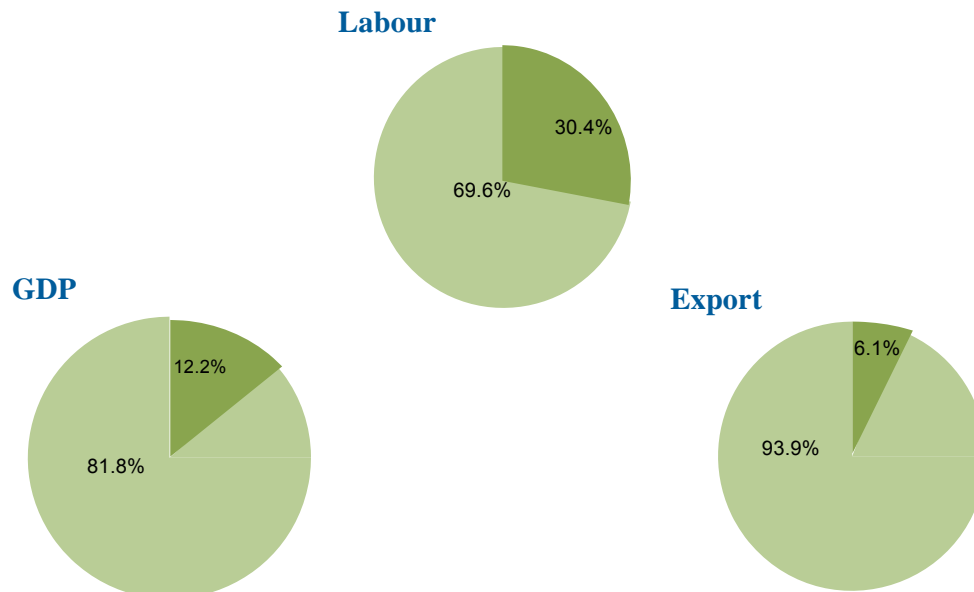
II.2 Others

Ministry of Environment and Tourism	Authority of Land Administration, Geodesy and Cartography
1. Forest land, its usage	2. Unified land territory



IV. LIVESTOCK SECTOR IN ECONOMY OF MONGOLIA

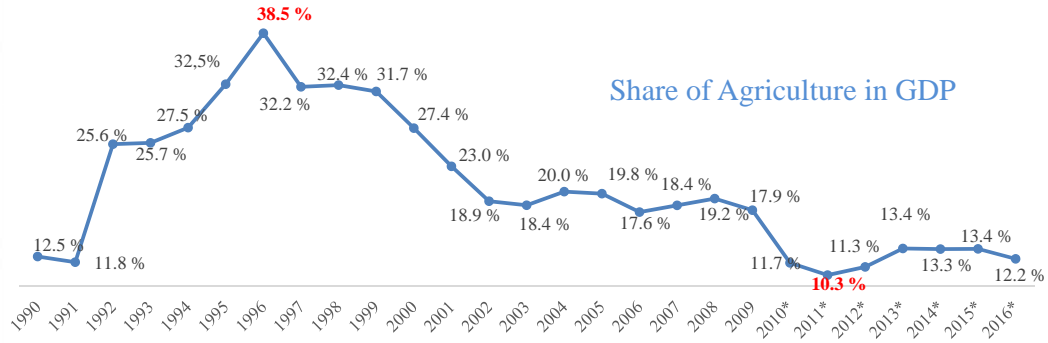
Share of the Agricultural Sector in the Economy of Mongolia in 2016





ᠮᠣᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠤᠯᠤᠰ

IV. LIVESTOCK SECTOR IN ECONOMY OF MONGOLIA



Industries	2011	2012	2013	2014	2015
GDP*, at current and market prices, million tugrug	13 173.8	16 688.4	19 174.2	22 227.1	23 134.1
Agriculture, hunting, forestry	1 357.9	1 878.9	2 572.0	2 965.4	3 092.0
Livestock	1 238.8	1 701.7	2 316.4	2 669.2	2 806.1
Crop	98.3	137.3	226.0	251.8	244.0
Forestry	20.5	39.5	29.6	43.2	38.7
Hunting	0.3	0.3	0.0	1.0	3.0
Fishery	0.0	0.0	0.0	0.0	0.0

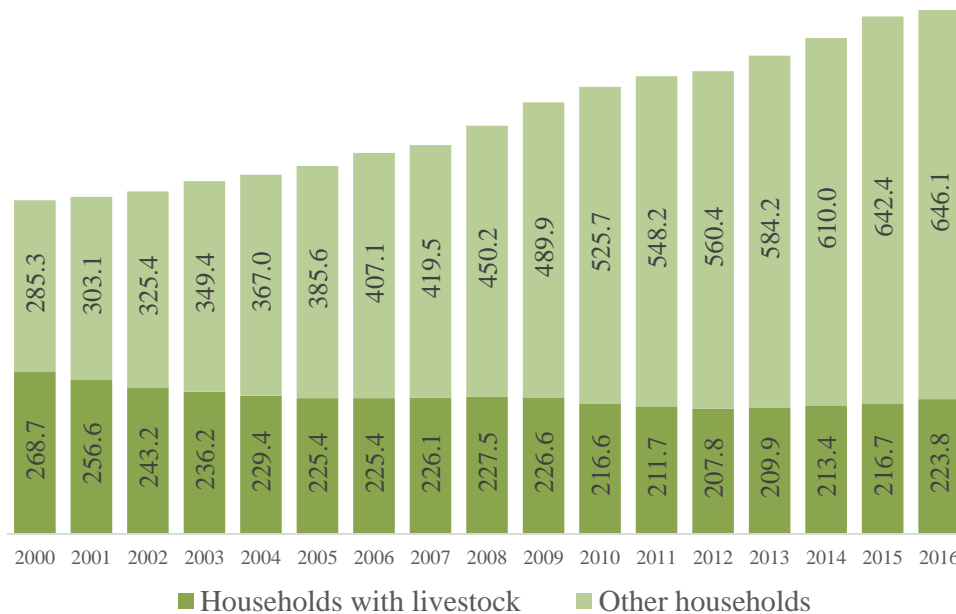
* Based on SUT results



ᠮᠣᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠤᠯᠤᠰ

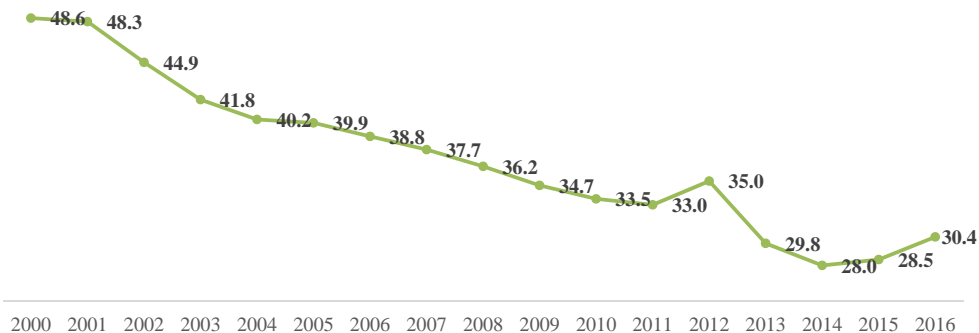
IV. LIVESTOCK SECTOR IN ECONOMY OF MONGOLIA

Number Households with Livestock in Total Households

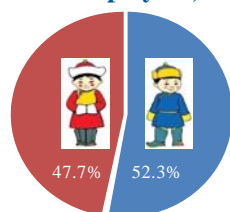


IV. LIVESTOCK SECTOR IN ECONOMY OF MONGOLIA

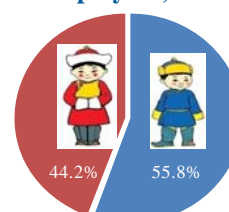
Share of Agricultural Employed Persons in Total Employment



Total Employees, 2016



Agricultural Employees, 2016



IV. LIVESTOCK SECTOR IN ECONOMY OF MONGOLIA

Output of Main Agricultural Products

Commodities	2012	2013	2014	2015	2016*
Meat, slaughter weight, thous.t	263.4	299.3	291.7	448.0	400.0
beef	59.7	57.7	54.9	93.2	92.4
sheep & goat	123.6	155.0	151.8	220.9	193.1
Milk, thous.t	588.0	667.0	765.4	874.4	891.5
Eggs, million pieces	56.6	63.2	72.2	100.6	119.0
Wool & cashmere, thous.t					
wool	17.5	20.2	22.3	25.8	27.4
cashmere	6.3	7.0	7.7	8.9	9.4
Hide and skin, million pieces**	8.6	11.0	10.2	15.2	14.0
Grain	432.8	350.2	470.0	195.9	475.4
Wheat	418.8	331.5	439.5	183.5	459.1
Potatoes	245.9	191.6	161.5	163.8	164.1
Vegetables	99.0	101.9	104.9	72.5	93.7
Cabbage	20.2	20.6	18.7	15.4	16.5
Turnip	23.8	22.4	23.9	17.6	21.0
Carrot	32.8	34.5	34.7	18.5	30.7

* preliminary results

**including lamb and kid skin



V. AGRICULTURE IN ECONOMY OF MONGOLIA

Main Agricultural Products Per Capita

Commodities	2012	2013	2014	2015	2016*
Meat, slaughter weight, kg	96.7	105.4	100.4	151.1	132.1
Milk, tonne	215.9	234.8	263.5	295.0	294.5
Egg, piece	21.0	22.0	25.0	34.0	39.3
Grain, kg	158.9	123.3	161.8	66.1	157.1
Potato, kg	90.3	67.5	55.6	55.3	54.2
Vegetables, kg	36.4	35.9	36.1	24.4	31.0

* preliminary results

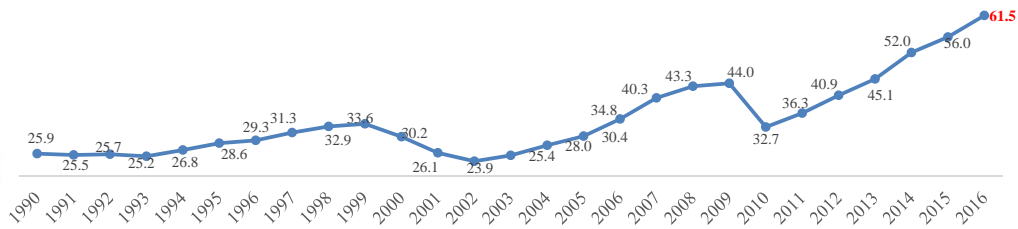
Yields per hectares, by type

Commodities	2012	2013	2014	2015	2016
Grain, centner	15.7	13.2	16.5	5.5	12.8
Wheat, centner	15.6	13.4	16.8	5.6	13.2
Barley, centner	14.1	13.6	12.3	3.8	9.4
Oats, centner	17.9	13.4	17.9	2.6	10.6
Potatoes, centner	146.2	123.6	122.3	127.5	110.0
Fodder crops, centner	33.5	29.6	26.1	20.6	17.9
Industrial crops, centner	6.3	5.0	6.0	2.7	3.2



V. AGRICULTURE IN ECONOMY OF MONGOLIA

Number of Livestock, million heads



Number of livestock was highest in the years, thousand heads

Number of livestock, type, thousand heads

	2012	2013	2014	2015	2016
Total	40 920.9	45 144.3	51 982.6	55 979.8	61 549.2
Horse	2 330.4	2 619.4	2 995.8	3 295.3	3 635.5
Cattle	2 584.6	2 909.5	3 413.9	3 780.4	4 080.9
Camel	305.8	321.5	349.3	368.0	401.3
Sheep	18 141.4	20 066.4	23 214.8	24 943.1	27 856.6
Goat	17 558.7	19 227.6	22 008.9	23 592.9	25 574.9



2016
(3635.5)



2016
(4080.9)



1954
(895.3)



2016
(27856.6)



2016
(25574.9)



ᠮᠣᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠤᠯᠤᠰ

V. AGRICULTURE IN ECONOMY OF MONGOLIA

Number of fresh bred, crossbred, thoroughbred and improved bred livestock

	2012	2013	2014	2015	2016
Fresh bred livestock	1 261.9	1 195.9	1 404.4	1 822.9	1 873.4
Crossbred livestock	565.3	225.7	385.8	595.0	518.7
Thoroughbred livestock	789.6	1 012.6	1 309.3	1 582.2	1 825.8
Improved bred livestock	984.2	498.8	530.1	551.4	560.2

Number of household animals, heads

	2012	2013	2014	2015	2016
Pigs	40 421	51 864	46 305	33 491	31 489
Poultry, thousand heads	469.4	489.3	794.6	805.1	718.7
Reindeers	1 421	1 574	1 759	1 864	2 044
Donkeys	75	51	40	23	40
Bee, hives	2 128	3 677	6 645	8 038	8 118
Rabbits	1 533	1 262	1 102	517	527



ᠮᠣᠩᠭᠣᠯᠢ ᠶ᠋ᠢᠨ ᠤᠯᠤᠰ

VI. WAY FORWARD

- Improve estimation of agricultural production
 - Improve methodology (skin, milk, inventories)
- Focus on accuracy the quality of agricultural raw data in short period and reconsider time of reporting



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠯᠤᠭᠡ ᠰᠤᠯᠡᠭᠡ ᠰᠤᠯᠡᠭᠡ ᠰᠤᠯᠡᠭᠡ

HOW TO GET STATISTICAL DATA



National Statistical Office
Government building-III
Baga Toiruu-44

Phone: 1900-1212
E-mail: information@nso.mn



ᠮᠣᠩᠭᠣᠯᠢ ᠰᠤᠯᠤᠭᠡ ᠰᠤᠯᠡᠭᠡ ᠰᠤᠯᠡᠭᠡ

THANK YOU FOR YOUR ATTENTION



Good Luck !

The Government Building III
Baga Toiruu-44
Ulaanbaatar-20a, Mongolia
Tel: (976)-11-261565
Fax: (976)-11-324518
E-mail: nso@magicnet.mn
www.nso.mn
www.1212.mn