ASIA AND PACIFIC COMMISSION ON AGRICULTURAL STATISTICS

TWENTY-SEVENTH SESSION

Nadi, Fiji, 19 – 23 March 2018

Agenda Item 10

Mongolia experience on generating livestock statistics

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Key surveys, their frequency livestock indicators collected and collection methods from Mongolia
<table>
<thead>
<tr>
<th>Report/Survey (Frequency)</th>
<th>Livestock Data/Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural census (every 10 years, by census every 5 years)</td>
<td>Labour, production, sales, land, machinery and equipment, well, water Bassein, fences, land degradation, services for livestock production, food supply</td>
</tr>
<tr>
<td>Livestock census (every census)</td>
<td>Number of livestock, by type, age, HH, labour, changes of livestock, losses and births, breeding type, HH social indicators</td>
</tr>
<tr>
<td>Livestock semi-annual sample survey</td>
<td>Number of livestock, ty type, age group, livestock insurance, losses, births</td>
</tr>
<tr>
<td>Report/Survey (Frequency)</td>
<td>Livestock Data/Indicator</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------</td>
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<tr>
<td>Livestock births, survivals, losses (XAA -1)</td>
<td>Births of dam livestock, new born livestock, losses of new born animals, survivals</td>
</tr>
<tr>
<td>(3-5, 9-12 months)</td>
<td></td>
</tr>
<tr>
<td>Losses of adult animals (XAA -2)</td>
<td>Lost animal, lost from diseases, lost dam livestock</td>
</tr>
<tr>
<td>(1-5, 9-12 months)</td>
<td></td>
</tr>
<tr>
<td>Livestock main product market price survey (XAA -3)</td>
<td>Livestock price, by type, other animal prices, by type, price of livestock products</td>
</tr>
<tr>
<td>(each months)</td>
<td></td>
</tr>
<tr>
<td>Report/Survey (Frequency)</td>
<td>Livestock Data/Indicator</td>
</tr>
<tr>
<td>---------------------------</td>
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</tr>
<tr>
<td>Annual revenue and expenditure survey</td>
<td>Address, turnover, sales, total expenditure, inventories/stock, service cost and expenditures, raw material cost, number of employees, wages and salaries, capital formation</td>
</tr>
<tr>
<td>Yield survey on livestock (every 5 year)</td>
<td>General information, milk yield, by type, yields of wool, cashmere, mould, hair, by type</td>
</tr>
<tr>
<td>Producers’ price survey on livestock products (every 5 year)</td>
<td>General information, livestock products (livestock, meat, milk, wool, cashmere, hide and skin)</td>
</tr>
<tr>
<td>Report/Survey (Frequency)</td>
<td>Livestock Data/Indicator</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Household income and expenditure survey (every 5 year)</td>
<td>General information, income, cost and expenditure</td>
</tr>
<tr>
<td>Yield survey on livestock (every 5 year)</td>
<td>General information, milk yield, by type, yields of wool, cashmere, mould, hair, by type</td>
</tr>
<tr>
<td>Producers’ price survey on livestock products (every 5 year)</td>
<td>General information, livestock products (livestock, meat, milk, wool, cashmere, hide and skin)</td>
</tr>
</tbody>
</table>
Livestock census questionnaire

Indicators- updated

1. Information about household, enterprise
2. Information about herder (age, marital status, education, have cellphone, use internet, loan, insurance, member of cooperative) - NEW
3. Information about professional worker
4. Livestock insurance - NEW
5. Changes of livestock
6. Intensified farmers - NEW
Livestock census

Indicators

7. Other animal, their production
8. Animal breeding
9. Prepared hay, feed, dung, conglomerate, fuel wood
   - UPDATED
10. Used machinery and equipment
11. Well, water Bassein
12. Fences of animal
13. Information about herder - UPDATED
Main activities of Livestock sector

- According to ISIC 4.0 livestock production belongs to the Group-014.
- Animal production includes raising (farming) and breeding of all animals, except for aquatic animals.
Main products of Livestock

– Livestock (horse, cattle, camel, sheep, goat, reindeers, donkeys, pigs, poultry, bees and rabbits)
– Meat (horse, cattle, camel, sheep, goat, pig, poultry)
– Milk (horse, cattle, camel, sheep, goat)
– Wool and cashmere (camel wool, sheep wool, goat cashmere and hair, horse mould and hair, cattle mould and hair)
– Hide and skin (horse, cattle, camel, sheep, goat)
Main indicators of Livestock sector

– Production statistics
– Sequence of intuitional accounts (GVA, Output, Intermediate consumption and etc.)
– Livestock labour statistics
– Food security indicators
– Agricultural economic accounts
– Livestock price statistics
– Livestock yields and productivity
Main indicators of Livestock sector

- Data on external trade in live animals
- Linking livestock production systems to rural livelihoods and poverty
- Livestock stock/inventory
- Livestock GFCF
- Dairy products
Main indicators of Livestock sector

– Herd composition, demographics and breeding practices
– Land
– Livestock housing
– Water access
– Veterinary services
– Vaccinations and disease treatments;
Main results of Livestock census 2017

AT THE END OF 2017, 66.2 MILLION OF LIVESTOCK WERE COUNTED
Main results of Livestock census 2017

STRUCTURE OF LIVESTOCK

1970
1990
2017*

9.3
11.0
6.6

8.7
2.1
5.9

10.3
59.0
41.3

18.6
58.3
45.5

2.8
2.1
0.7

Horse
Cow
Camel
Sheep
Goat
### Main results of Livestock census 2017

#### NUMBER OF HHs, by livestock grouping

<table>
<thead>
<tr>
<th>Grouping of livestock</th>
<th>Number of HHs with livestock 2016</th>
<th>Number of HHs with livestock 2017</th>
<th>Share to total 2016</th>
<th>Share to total 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>223.7</td>
<td>228.9</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>&lt;=50</td>
<td>49.1</td>
<td>48.4</td>
<td>21.9</td>
<td>21.1</td>
</tr>
<tr>
<td>51-200</td>
<td>75</td>
<td>74.4</td>
<td>33.5</td>
<td>32.5</td>
</tr>
<tr>
<td>201-500</td>
<td>63.1</td>
<td>65.3</td>
<td>28.2</td>
<td>28.5</td>
</tr>
<tr>
<td>501-999</td>
<td>26.6</td>
<td>29.5</td>
<td>11.9</td>
<td>12.9</td>
</tr>
<tr>
<td>1000-2000</td>
<td>9.3</td>
<td>10.6</td>
<td>4.2</td>
<td>4.6</td>
</tr>
<tr>
<td>2001 &lt;</td>
<td>0.6</td>
<td>0.7</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>
Main results of Livestock census 2017

HHs WITH NEW LIVESTOCK OR FIRST TIME PARTICIPATED IN LIVESTOCK CENSUS, by region, thous. HHs
Main results of Livestock census 2017
HHs without livestock, by region and thousand HHs
Areas for further improvements

For national accounts:

• review the national accounts for the agricultural sector, identify data needs, assess the availability and quality of existing data

• identify data weaknesses and gaps and determine priorities for improving the agricultural data for the national accounts;

• identify special studies needed to update input ratios and other factors used in the preparation of the national accounts;

• improve current methods of estimating milk production.
Areas for further improvements

For livestock statistics:

• evaluate all aspects of livestock statistics, including the timetable of data reporting of livestock numbers, data items reported, reporting forms used, methodologies for estimating livestock production, availability of other data sources for preparing the statistics, and data quality;

• assess alternative data reporting/collection strategies for livestock data and develop a programme of statistical activities, including administrative reporting, censuses and sample surveys to provide these data;
Areas for further improvements

For livestock statistics:

• review the current frequency of annual livestock census in order to gradually switch over the traditional methods that are currently being utilized to modern record-based methodology used by developed countries;

• develop food balance sheets

• develop agro-environmental statistics
Thank you