

1. HISTORICAL OUTLINE

The first agricultural census (AC) in Viet Nam was conducted in 1994. The second AC was carried out in 2001, which was followed by those carried out in 2006 and 2011.¹ The 2011 AC,² to which the present metadata review and data refer, is the fourth agricultural census to be carried out in the country and the second AC to be carried out in the 2010 WCA round.

2. LEGAL BASIS AND ORGANIZATION

Legal framework

The census legislation included:

- Law of Government Organization of 25 December 2001;
- Law of Statistics dated 26 June 2003;
- Government Decision No. 144/2008/QĐ-TTg, of 29 October 2008, on promulgation of the National Statistical Survey Program;
- Government Decision No. 1785/QĐ-TTg, of 27 September 2010, in the framework of the National Statistical Survey Program and considering the requests from the Minister of Planning and Investment to conduct a rural, agricultural and fisheries census.

Institutional framework and international collaboration

Since 2001, ACs in Viet Nam have been conducted every five years. The Ministry of Planning and Investment (MPI), through its General Statistics Office (GSO), was the main institution responsible for elaborating the AC census plan. This activity was performed in collaboration with the Ministry of Agriculture and Rural Development (MARD). The Minister of Planning and Investment is empowered to approve the census plan. The AC budget was submitted to the Census Central Steering Committee (CCSC) for implementation of census activities, under the direct guidance of the Ministry of Finance.

Census staff

The census operations mobilized 180 000 enumerators, coordinators and supervisors at all levels.

3. REFERENCE DATE AND PERIOD

Reference day: 1 July 2011, for labour force, equipment and machinery, farmland by land use categories, animal husbandry, etc.

Reference period: the 12-month period preceding the census, for harvested area, yield and total value of the production, production items from animal husbandry, forestry activities, fishery activities, etc.

4. ENUMERATION PERIOD

Data collection was conducted during: (i) 15 days, from 1 July to 15 July 2011, for holdings covered by complete enumeration; and (ii) 30 days, from 1 July to 30 July 2011 for holdings covered by sample enumeration.

5. SCOPE OF THE CENSUS AND DEFINITION OF THE STATISTICAL UNIT

The **census scope** covered agricultural production (crop and livestock production), forestry and fisheries activities. A community survey was conducted jointly with the AC.

The following **statistical units**³ were covered in the AC 2011: (i) households in rural areas; (ii) agricultural, forestry and fishery households in urban areas; (iii) farms above an established threshold, as specified in section 7 below; and (iv) communes.

The AC results also included information on agricultural, forestry and fishery enterprises and cooperatives. These data were collected using the Enterprises Survey 2011, conducted by the GSO.

6. GEOGRAPHIC COVERAGE

The census covered the entire country.

7. CUT-OFF THRESHOLD AND OTHER EXCLUSIONS

All households in rural areas and households engaged in agriculture, forestry and fisheries production in urban areas were covered by the AC 2011.

The following minimum size limits⁴ were used to define the farms:

- crop farm and aquaculture farm: (i) 3.1 ha for the South East and for the Mekong River Delta; (ii) 2.1 ha for the rest of the provinces; (iii) the output value of its goods reached VND⁵ 700 million in 2010 (approximately USD 33 200);
- livestock farm: the output value of its goods reached VND 1 one billion in 2010 (approximately USD 47 430); and
- forestry farm: having a minimum area of 31 ha and the average output value of its goods reached VND 500 million per year (approximately USD 23 700).

Agricultural, forestry and fishery enterprises and cooperatives were not covered in the AC 2011 because they had already been integrated into the Enterprises Survey 2011, conducted by the GSO.

¹ At the time of publishing, Viet Nam had also conducted the AC 2016, under the WCA 2020 round.

² The "Rural, Agricultural and Fisheries Census 2011".

³ The following three types of units are distinguished in the AC results: (i) households; (ii) enterprises; and (iii) cooperatives.

⁴ These criteria were established by the Ministry of Agriculture and Rural Development.

⁵ Vietnamese dong.

8. METHODOLOGY

Methodological modality for conducting the census

The AC used the classical approach. A short-long questionnaire was applied for data collection in the AC 2011. The short questionnaire was used for all households in rural areas and households engaged in agriculture, forestry and fisheries production in urban areas. The long questionnaire was used for collecting more detailed information from rural households.

Frame

The frame for the sample component of the AC 2011 was built using the master sampling frame provided by the Population and Housing Census (PHC) 2009.

Complete and/or sample enumeration methods

A combination of complete and sample enumeration was applied for the 2011 AC. The census was taken by complete enumeration of the rural households, agricultural, forestry and fishery households in urban areas, and farms, as well as of the People's committees of communes (using Forms 01-03 as specified below in "Questionnaires" subsection).

A sample enumeration was conducted to collect additional in-depth information on household economics from rural households (using Form 04).

Sample design (if sampling was used)

Two stage-systematic sampling design was applied for the sample component. In the first stage, EAs (as PSUs) were selected with PPS (the number of rural households was used as a measure of size). In the second stage, 30 households were selected in each sampled EA. A sample of 75 000 households in rural areas (0.5 percent of rural households) was selected from 2 500 EAs in 63 provinces.

Data collection method(s)

Data collection was done by means of face-to-face interviews. The information was collected in paper forms (that is, using the PAPI method).

Questionnaire(s)

Four questionnaires were used for the AC 2011 data collection.

The AC 2011 census questionnaires covered 13 of the 16 core items recommended for the WCA 2010 round.

9. USE OF TECHNOLOGY

Scanning technology was used for the data capture of certain census questionnaires. The census results were disseminated and are accessible online. Secure access to AC macro and micro databases was granted.

10. DATA PROCESSING AND ARCHIVING

A scanning technique was used for one questionnaire (Form 01/TĐTNN-HO). Manual data entry was applied for the remaining questionnaire forms. The GSO developed a specific statistical software to store a database and to build up tabulations. Most of the statistical indicators were generated by a specific statistical software, using the SPSS and Stata to extract the data from the AC database.

A data warehouse was developed to enable data users to extract and build up tabulations based on the AC database.

11. CENSUS DATA QUALITY

The GSO carried out a PES to evaluate the census coverage and content.

12. DATA DISSEMINATION

To facilitate users' access to the AC results, the census data were compiled and disseminated through census reports, electronic products such as CD-ROMs, macro and micro databases, and through the GSO's website. The preliminary results of the census were released in December 2011 and the final results were disseminated in December 2012.

13. DATA SOURCES

FAO. 2016. Regional Roundtable on the World Programme for the Census of Agriculture 2020 (WCA 2020). 19–23 September 2016, Bangkok, Thailand. In: *World Programme for the Census of Agriculture* [online]. Rome, Italy. [Cited 4 September 2019]. <http://www.fao.org/world-census-agriculture/events/wca2020bangkok/en/>

FAO. 2012. Twenty-fourth session of the Asia and Pacific Commission on Agricultural Statistics, 8–12 October 2012, Da Lat, Viet Nam. In: *Asia and Pacific Commission on Agricultural Statistics* [online]. Bangkok, Thailand. [Cited 5 September 2019] <http://www.fao.org/economic/ess/ess-events/ess-apcas/ess-apcas24/en/>

General Statistics Office of Vietnam. 2012. Results of the 2011 Rural, Agricultural and Fisheries Census. In: *General Statistics Office of Vietnam* [online] Hanoi, Viet Nam. [Cited on 9 August 2019]. https://www.gso.gov.vn/default_en.aspx?tabid=477&idmid=4&ItemID=13399

14. CONTACT

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VIET NAM – RURAL, AGRICULTURAL AND FISHERIES CENSUS 2011 – MAIN RESULTS

AGRICULTURE, FORESTRY AND FISHERY (AFF) UNITS AND AREA, BY LEGAL STATUS		
	Units	Area (ha)
Total AFF units¹	10 376 981	11 880 117
Household	10 368 143	9 477 860
Enterprise	2 536	2 101 699
Cooperative	6 302	300 559
Agricultural units²	9 598 723	6 851 843
Households	9 591 696	n.a.
Enterprises	955	n.a.
Cooperatives	6 072	n.a.

DISTRIBUTION OF AGRICULTURAL UNITS, BY LAND SIZE CLASSE		
	Units	Area (ha)
Total	9 598 723	6 851 843
Holdings without land	462 246	
Holdings with land	9 136 477	6 851 843
Less than 1 ha	7 303 801	2 436 762
1–1,99 ha	1 127 828	1 506 374
2–4,99 ha	618 319	1 715 690
5–9,99 ha	74 098	460 996
10–19,99 ha	9 459	115 022
20–49,99 ha	1 739	46 608
50–99 ha	423	29 755
100–199 ha	233	33 768
200–499 ha	390	124 725
500–999 ha	95	62 813
1 000 ha and over	92	319 331

LAND USE		
	Units	Area (ha)
Total AFF units	10 376 981	11 880 117
Agricultural land	9 418 625	7 034 697
Arable land	8 276 068	4 703 648
Land under permanent crops	4 194 221	2 331 049
Forest land	1 362 763	4 230 228
Land under aquaculture	1 509 057	615 192

HOLDERS IN THE HOUSEHOLD SECTOR, BY SEX		
	Number	Area operated (ha)
Total	10 368 143	9 477 860
Male	8 484 257	8 370 170
Female	1 883 886	1 107 689

¹ Data refer to units engaged in agricultural, forestry and fisheries activities.

² Data refer to units engaged in agricultural activities.

HOLDERS IN THE HOUSEHOLD SECTOR, BY SEX AND AGE	
	Number
Total	10 368 143
Male	8 484 257
Female	1 883 886
Under 25 years	184 719
Male	157 941
Female	26 778
25–34 years	1 634 487
Male	1 464 785
Female	169 702
35–44 years	2 791 670
Male	2 455 360
Female	336 310
45–54 years	2 951 021
Male	2 384 809
Female	566 212
55–64 years	1 723 314
Male	1 321 644
Female	401 670
65 years and over	1 082 932
Male	699 718
Female	383 214

MEMBERS OF HOLDER'S HOUSEHOLD, BY SEX	
	Number
Total	39 514 696
Male	20 312 458
Female	19 202 238
Engaged in agricultural activities on the holding	23 928 874
Male	11 559 168
Female	12 369 706

AFF UNITS IN THE HOUSEHOLD SECTOR, BY HOUSEHOLD SIZE	
	Number
Total	10 368 143
1 person	451 872
2–3 persons	3 435 038
4–5 persons	4 968 871
6–9 persons	1 466 294
10 persons and over	46 068

LIVESTOCK		
	Units	Head
Holdings with livestock	7 393 867	
Cattle	1 758 546	3 973 892
Buffaloes	1 357 523	2 469 682
Sheep	2 611	75 531
Goats	157 344	928 577
Pigs/swine	3 516 222	18 906 645
Poultry (1 000 head)	n.a.	n.a.
Chicken	6 328 222	201 249
Ducks	1 494 519	70 313
Geese	731 170	10 601