

1. RATIO OF FOREST LAND AND PERSONS ENGAGED IN FORESTRY
 2. STRUCTURE OF FORESTRY HOUSEHOLDS BY SIZE OF FORESTS UNDER MANAGEMENT

1. Ratio of Forest Land and Persons Engaged in Forestry

The forest land of Japan (excluding that of Okinawa Prefecture) was 25,300,000 ha. in 1970 and accounted for about 67% of the national land. When wasteland areas are excluded, the area of the forest land amounted to 24,500,000 ha. When bamboo groves, cut-over areas and forest gaps are excluded, the area of the forest land was 23,400,000 ha. By forest type, artificial forests accounted for 33% and natural stands 67%. By forest cover type, needle-leaved forests comprised 45% of the area and broad-leaved forests 55%. By ownership type, national forests accounted for 31%, public forests 11% and private forests 58%.

Since the national land extends mainly over a rain belt in the temperate zone, various species of forests are abundant all over the nation and the growth of trees is rapid. Recently, increasingly added importance has been attached to the functions of forests for public interests, such as the cultivation of water resources, air purification and their usability as places for rest and recreation.

Labor for forestry is nearly all dependent on farm household members as side work and the work largely takes on an intermittent and short-term pattern, making it difficult to grasp the workers real status.

Of the farm household members who work in their own forests and who are engaged in forestry as employees, and work in forestry for more than 150 days a year, total 1,550,000. The number of non-farm household members who work in forestry for more than one day a year was 40,000. Farm household members who work in forestry for more than one day a year total 1,940,000, 88% of whom are engaged in self-managed forestry. Of these, males account for 70% and females 30%.

No statistical data are available to provide an accurate picture on the changes that have taken place in the number of persons engaged in forestry. However, there has presumably been a considerable drop in the number due to a rapid cutback in charcoal production, whose manpower accounted for about one-fourth of the total input in forestry in 1960, and also to the increasing use of forestry machinery.

Salient Points of the Legend and Map Compilation

Ratio of forest land: The ratio of the area of the forest land to the area of all land as of August 1, 1970. The forest land, as referred to here, consist of forest and wasteland. The figures for the area of forest land were derived

from aerial photography, whereas local agencies and persons well acquainted with the area were interviewed to determine the wasteland areas.

Persons engaged in forestry: Of the persons who worked in the forests owned by their households or were engaged in forestry as employees in the year preceding the survey date (February 1, 1970), the persons who were engaged in forestry for more than 150 days in the case of farm household members and also persons whose households managed more than 1 ha. of forest land and who were engaged in forestry for more than one day were enumerated as persons engaged in forestry. In this case, however, the number of persons engaged in forestry, as classified by Si, Mati and Mura, was converted into that of dots, and the dots were distributed in the map, while referring to the 1:50,000 scale Topographic Maps, 1:200,000 scale Regional Maps, and Map of Farm Settlements, 1970 World Census of Agriculture and Forestry.

Source

1. Ministry of Agriculture and Forestry, 1970 World Census of Agriculture and Forestry.

2. Structure of Forestry Households by Size of Forests Under Management

In 1970, there were 2,570,000 forestry households in Japan (excluding Okinawa Prefecture), and the forests under their management totaled 6,700,000 ha. in area. The average area of forests under management per forestry household was 2.6 ha. Although some forests are managed by a few large-scale forestry households, the majority of the forestry households are small owners. The forestry households with less than 1 ha. of forests under their management numbered 1,420,000, or 55.4% of the total number of forestry households. The area of forests under their management was 540,000 ha., or only 8.1% of the total area.

From 1960 to 1970, the total number of forestry households dropped by

140,000, whereas the number of forestry households having more than 5 ha. of forests under their management was on the increase.

In addition to the forestry households, forestry is also undertaken by firms, Shinto shrines and Buddhist temples, and Si, Mati and Mura.

Salient Points of the Legend and Map Compilation

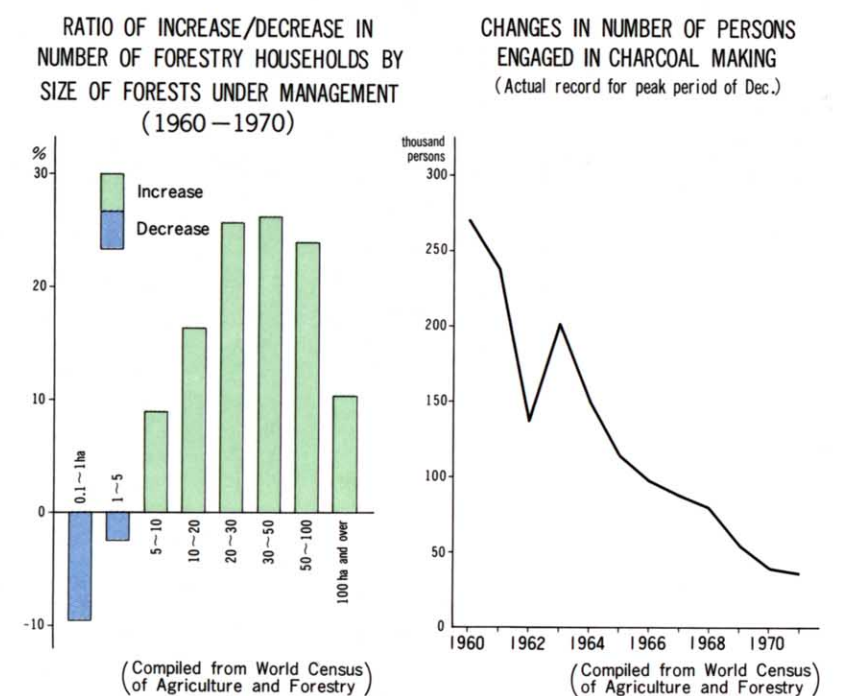
The forests under management, as referred to here, represent the forests which may be placed under the management of forestry organizations.

The forestry organizations, as referred to here, represent households, juridical persons, and organizations other than juridical persons with more than 10 ares of forests under their management.

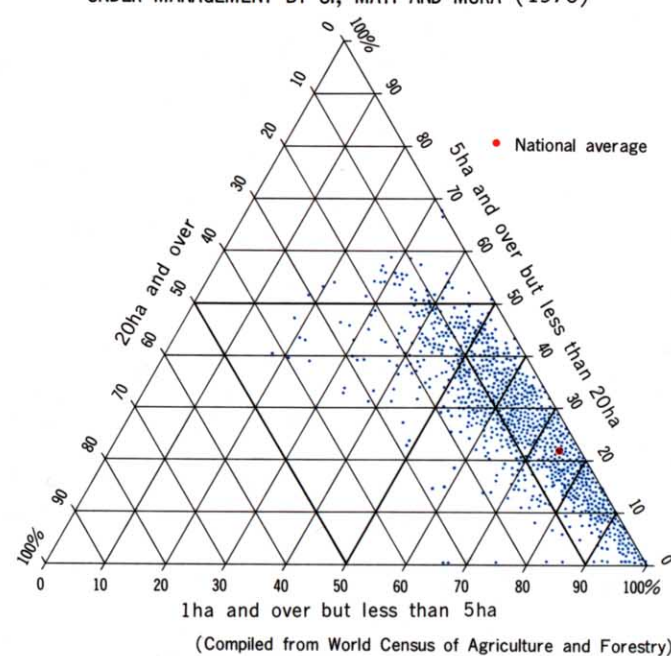
The forestry households, as referred to here, represent households engaged in forestry. This figure does not represent the structure of forestry households with less than 1 ha. of forests under their management.

Source

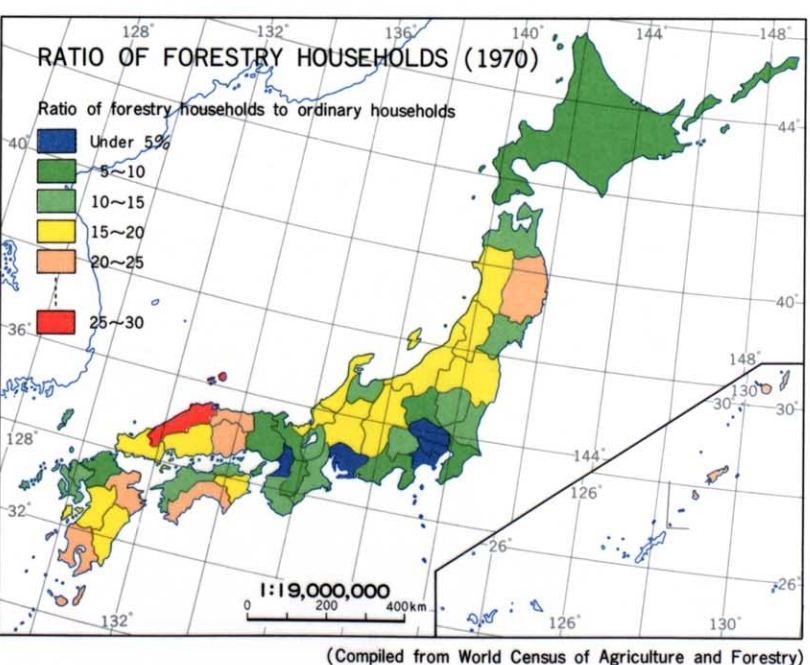
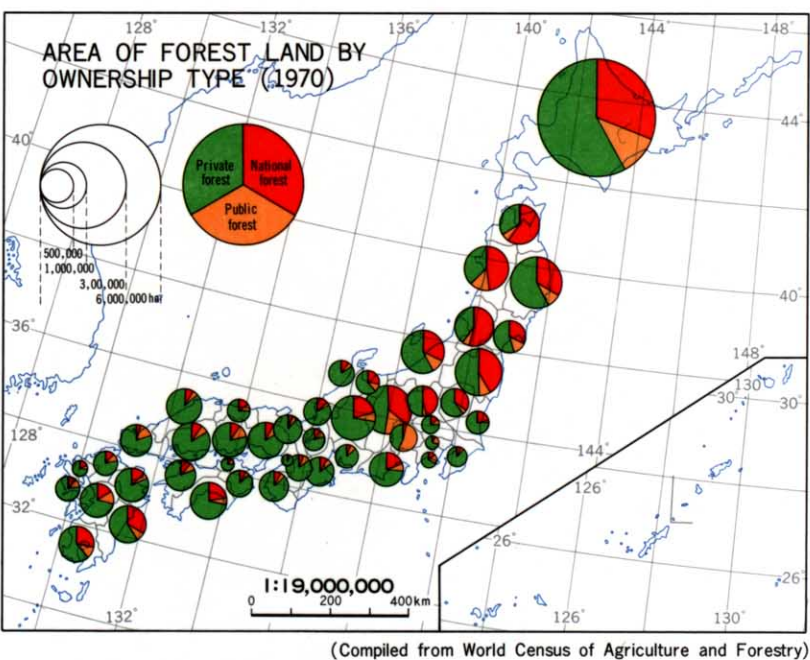
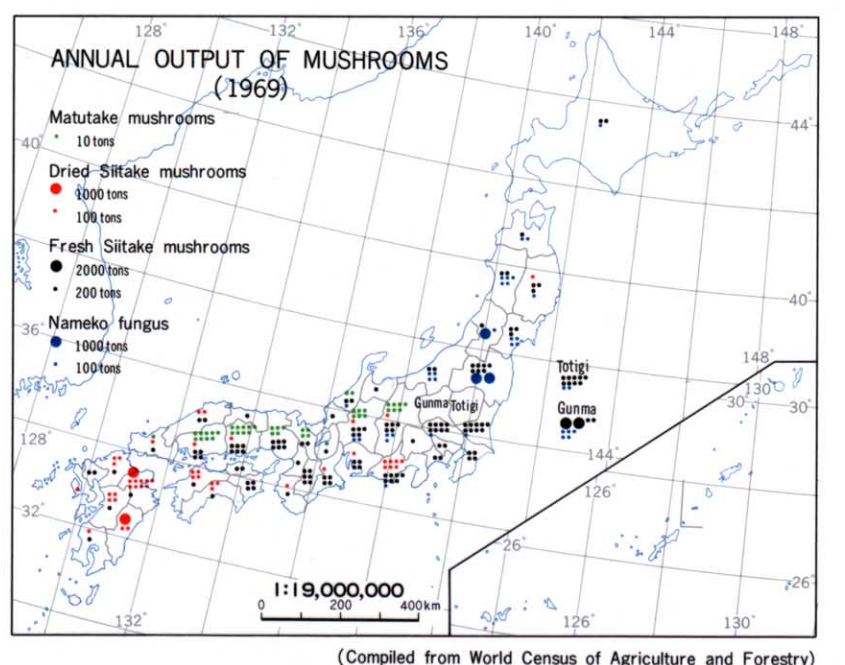
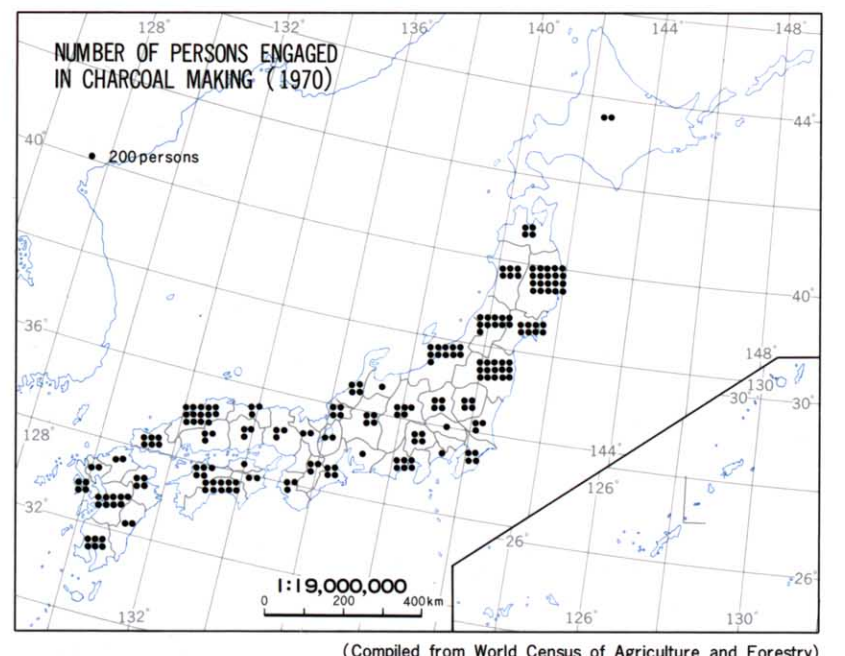
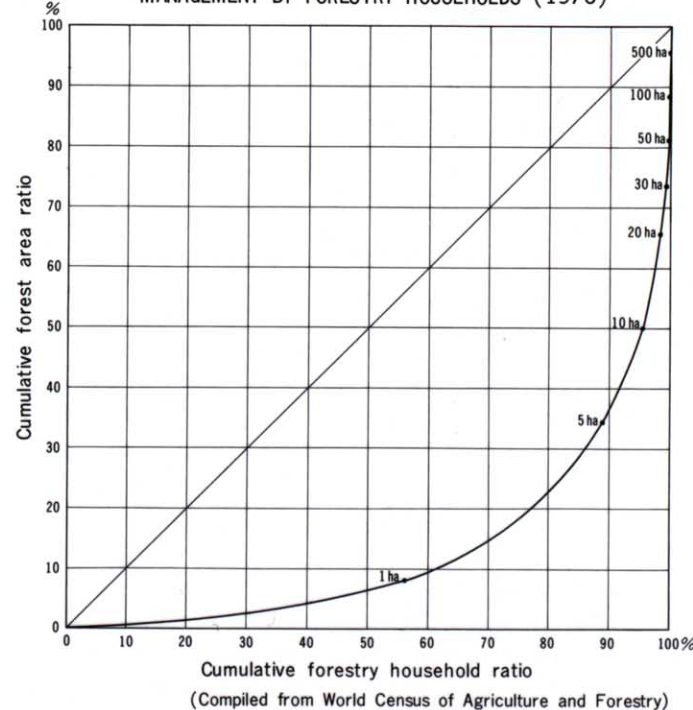
1. Ministry of Agriculture and Forestry, 1970 World Census of Agriculture and Forestry.



STRUCTURE OF FORESTRY HOUSEHOLDS BY SIZE OF FORESTS UNDER MANAGEMENT BY SI, MATI AND MURA (1970)



OWNERSHIP OF FORESTS BY SIZE OF FORESTS UNDER MANAGEMENT BY FORESTRY HOUSEHOLDS (1970)



RATIO OF FOREST LAND AND PERSONS ENGAGED IN FORESTRY

(1970)

RATIO OF FOREST LAND

- 0%
- Less than 20%
- 20% and over but less than 40%
- 40% and over but less than 60%
- 60% and over but less than 80%
- 80% and over

Persons Engaged in Forestry

(1 dot represents 200 persons)

— Prefectural boundary

— Si, Mati and Mura boundary and Ku boundary in Tōkyō

Status as of August 1, 1970, for ratio of forest land
Status as of February 1, 1970, for persons engaged in forestry

1:2,500,000

