

SAMPLING PLAN

The sampling plan for Agricultural Census 2010 includes different sample designs for different regions of the country in view of the varied local conditions. It was not different from previous censuses, except for a few improvements. The entire country was divided into four distinct parts for the purpose of sampling, as described below:

Part 1: Rural settled areas of Khyber Pakhtunkhwa, Punjab and Sindh provinces: a three-stage, systematic cluster sampling approach was used.

Part 2: Rural settled areas of Balochistan and all rural areas of Azad Jammu & Kashmir: a single-stage and cluster sampling technique was used.

Part 3: Urban areas throughout the country: a two-stage sample design using stratified and systematic sampling was used.

Part 4: Rest of the country, comprising unsettled rural areas of Punjab, Balochistan and Khyber Pakhtunkhwa provinces and tribal areas (Agencies) including Gilgit Baltistan: a single-stage cluster and systematic sampling was used.

In all the areas, the sample size was determined at district level. In urban areas, the sample size varied according to the size of populace in an urban unit. In areas of part 1, where three-stage sampling was used, Patwar Circles in the first stage and Mouzas in the second stage were selected with probability proportional to size (PPS), whereas a systematic selection of clusters of households (approximately 30 households in a cluster) was made for enumeration at the third stage. In the areas of part 2, Mouzas were selected with PPS and all the households in selected Mouzas were enumerated. For part 3, urban blocks were selected systematically and every fifth household was enumerated in each selected block. In part 4, the Mouzas were selected systematically and all the households in a selected Mouza were enumerated. For various stages of sampling, different up-to-date sampling frames were prepared to meet the requirements of sampling.

CENSUS QUESTIONNAIRES

The main questionnaire from the previous census (Form-2) was sent to different data users / stakeholders / researchers / planners etc., for suggesting suitable improvements in view of their future data requirements. In the light of their suggestions, a comprehensive draft questionnaire was prepared and presented to the Advisory Committee for its consideration. The questionnaire was finalized on the basis of recommendations of the Advisory Committee and was used in the Agricultural Census 2010.

The questionnaire used in the census had two versions. The main questionnaire (Form-2) was spread over 8 pages and was meant for households reporting owned and / or rented in land. For landless households, a short questionnaire (Form-3) which contained all the questions of Form-2, except those relating to land and crops, was used. The questionnaires were printed in Urdu, except for Sindh province where the language used was Sindhi. The main questionnaire (Form-2) had fourteen parts

There were 102 main data items in the questionnaire with about 600 data codes assigned to sub-questions concerning the main items. The detail of forms used in the census is as under:

Form-1: To prepare the list / frame of all the households located in the selected Mouzas, villages and urban blocks.

Form-2: Main census questionnaire (8 pages) to be filled-in only for the selected households reporting owned and / or rented-in land for agricultural purposes.

Form-3: Brief census questionnaire (2 pages) to be filled-in for the selected households not reporting any land.

Form-4: Weekly progress report in the form of a prepaid postage card to be filled-in and posted by each enumerator to the Agricultural Census Organization, Lahore every week throughout the census enumeration period.

Form-6: National Certainty Holding (NCH) form was used for recording full address and other particulars of such household. If the same NCH could not be enumerated at its address, the new address was noted on the same form for further contact to collect the data.

Form-7: Identity Ticket to be filled-in by the enumerator for handing over to migratory people to avoid re-enumeration.