Second Regional Training Course on Sampling Methods for Producing Core Data Items for Agricultural and Rural Statistics

Module 3: Sampling Methods for Crop-Cutting Surveys Session 3.1: Crop Cutting Surveys

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Crop-Cutting Surveys (CCS)

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Crop Cutting Surveys

Crop Cutting

- * Crop cutting is the most wide spread method of yield estimation used through the world.
- * The techniques were developed in India in 1940s and 1950s.
- * In this method, yield of a crop is measured as follows:
 - > A sample of plots planted with the crop is randomly selected.
 - A sub-plot of a given size is selected at random from each selected plot.
 - The selected sub-plot is harvested by the enumerator and weighed after processing appropriately.
 - The harvested yield rate is calculated as the weight of the harvested crop divided by the area of the sub-plot.



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Sample Selection

Sampling for CCS

- * The number of crop cutting experiments to be conducted during a season is most often decided before hand.
- * Number of experiments allotted to a district is distributed among the strata within the district roughly in proportion to the area under the crop in the stratum
- * Allotted number of villages (FSUs) are randomly selected from the list of villages.







