

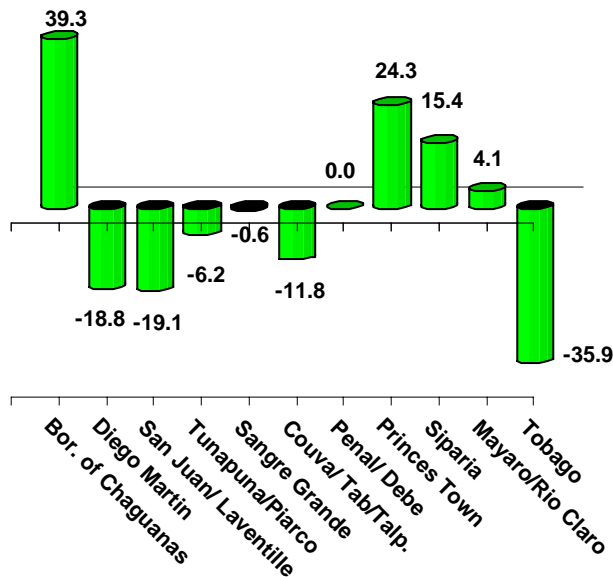
Data Highlights of the Post Census Evaluation Survey (PES)

1.10 Coverage Error

1.10.1 Agricultural Holders

The total number of Agricultural Holders as recorded in the 2004 Agricultural Census was under reported by only 2.4%. However, across regions significant variations in coverage errors of the census counts of holders were found. Particularly in Tobago -35.9%, Princess Town 24.3% and the Borough of Chaguanas 39.3%. Near perfect counts were achieved in Penal/Debe 0.0% and Sangre Grande -0.6%.

Chart 1
Coverage Error By Region



At the national level significant variations in coverage errors were found for selected variables in the 2004 Agricultural Census. It should be noted that data at greater levels of disaggregation may not be statistically reliable due to large sampling errors.

1.10.2 Size of Holding

The size of agricultural holdings as recorded in the 2004 Agricultural Census was overstated by 6.7%. Agricultural holdings under 0.5 acres in size were under reported by 27.7% while larger holdings greater than 5 acres were over stated by 8.1%.

1.10.3 Type of Agricultural Activity

The 2004 Agricultural Census count on the number of crop holders was overstated by 3.0%. The number of livestock and mixed holders were under reported by 18.0% and 10.2% respectively.

1.10.4 Land Use

The total number of parcels as reported in the 2004 Agricultural Census was over reported by 6.0% while the area of cultivated croplands was under reported by 4.1%.

1.10.5 Area Under Cultivation

The total area under cultivation as recorded in the 2004 Agricultural Census had a high undercount rate of 21.4%. Area under tree crop cultivation reported a high under coverage while the area under crop cultivation reported mostly over coverage rates.

1.10.6 Livestock and Poultry

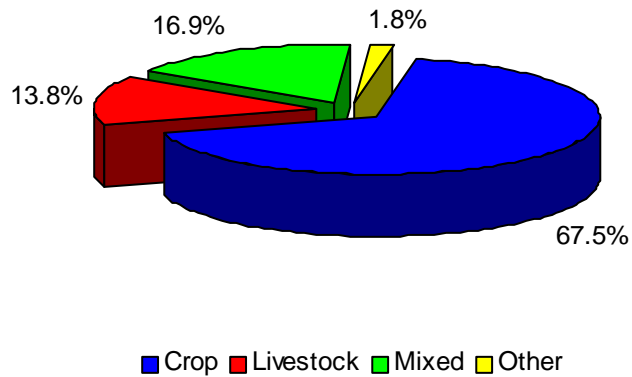
Census counts on number of cattle and buffalo had a small undercount rate of 0.1%. Larger under coverage rates were found for goats and pigs. The 2004 Agricultural Census count on number of poultry was overestimated by 9.5%.

1.11 Erroneously Excluded Holders

The number of holders erroneously excluded in The 2004 Agricultural Census was 31.2%. This high number of excluded holders can be directly attributed to deficiencies in the Census frame as well as to the out dated information on many of the cartographic maps used during the field stage of the Census.

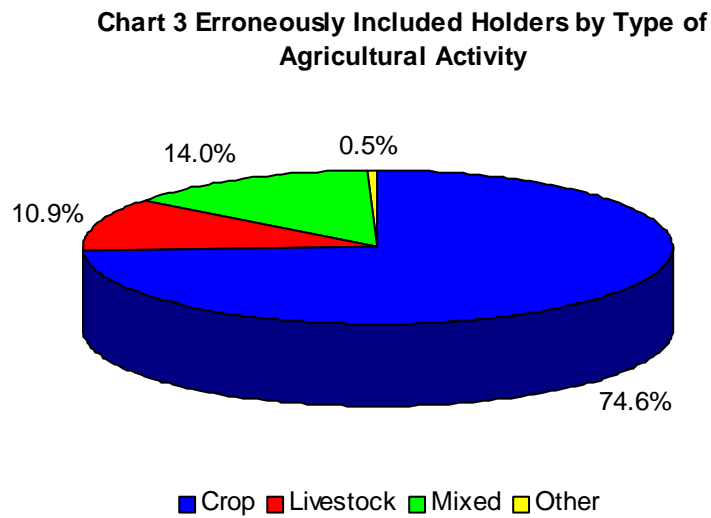
The latter is evidenced by the many alterations and additions made by the Post Census Evaluation Survey enumerators to these maps at the listing stage, particularly in areas where significant numbers of non-enumerated holders were discovered. When the erroneously excluded holders were disaggregated by type of activity, 67.5% were engaged in crop cultivation, 13.8% in livestock, 16.9% mixed and 1.8% other activity.

Chart 2 Erroneously Excluded Holders by Type of Agricultural Activity



1.12 Erroneously Included Holders

The number of erroneously included holders, that is, holders enumerated in error was 28.2%. A significant number of these holders were recognized as border line Commercial/Home Use producers. The high number of such holders indicated the probable need to devise a more objective means of identifying agricultural holders.



1.13 Response Error

Response errors at the national level for most of the selected variables were found to be small and within acceptable limits engendering confidence in the quality of various census estimates particularly as they relate to errors originating from respondents.

The response error on age of holder was only -0.1% , while the error on size of holding was -2.1% . Higher response error rates were reported for number of parcels 8.9% and area of cultivated croplands -7.9% . Respondents appeared to have had difficulties in accurately recalling the area under cultivation and number of pigs and poultry. The response error on the number of pigs was -19.7% while for poultry the error was much greater at -38.1% .

