

3.0 Wave 3 Sample and Weights

The baseline GHS-Panel sample of 5,000 households was designed to be representative at the national level as well as at the zonal level (both rural and urban). Therefore, there are 12 strata consisting of urban and rural areas for the six geopolitical Zones. The sample size of the GHS-Panel is not adequate for state-level estimates. The baseline (Wave 1) survey weights were calculated based upon the sampling design to provide representative estimates for the 12 strata. For Wave 3, the Wave 1 weights were adjusted to account for attrition of households. However, given the longitudinal nature of the survey, the weights were not adjusted for population growth and therefore the sample households still represent the frame at the time of the baseline survey. The complete sampling information for the GHS-Panel is described in the Basic Information Document for GHS-Panel 2010/2011.

The objective of the GHS-Panel Wave 3 was to re-interview all of the Wave 2 households. An effort was also made to locate and interview Wave 1 households that were not interviewed during Wave 2. If a household had moved from the location where they were found in the previous interview, the survey teams attempted to track and interview this household in its new location.

Table 3.1 shows the details of the Wave 3 sample. The Wave 3 sample size for households interviewed in both post-planting and post-harvest visit is 4581. This size is only 135 households less than Wave 2. However, there were some households that were not interviewed in Wave 2 that were found and interviewed in Wave 3.

Table 3.1: Details of GHS-Panel Sample in each Wave

	Wave 1			Wave 2			Wave 3		
	All	Urban	Rural	All	Urban	Rural	All	Urban	Rural
North Central	794	217	577	784	214	570	777	210	567
North East	797	138	659	741	117	624	643	106	537
North West	898	170	728	878	156	722	882	163	719
South East	794	204	590	763	197	566	755	193	562
South South	769	229	540	761	219	542	744	221	523
South West	864	611	253	789	562	227	780	556	224
Total	4916	1569	3347	4716	1465	3251	4581	1449	3132

4916 is the number of households that are in Wave 1 post-planting **and** Wave 1 post-harvest
4716 is the number of households that are in Wave 2 post-planting **and** Wave 2 post-harvest
4581 is the number of households that are in Wave 3 post-planting **and** Wave 3 post-harvest

Table 3.2 shows the size for three different samples. The first is the sample of households interviewed in both visits for all three waves. The second is the sample of households interviewed in both visits of Wave 1 and Wave 3. The third is those interviewed in both visits of Wave 2 and Wave 3. The full, balanced panel (across all three waves) consists of 4,407 households. For the