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Yields and input costs are gathered from previous field trials for rice and cassava in the target countries to enable hectare budgets for the crops in each location. Where budget data are lacking, opinions of scientists and other experts are used to estimate likely yield and input changes associated with the improved varieties. Where necessary, meetings with farmers are held in order to construct the budgets.

Analysis – Market level impacts of the improved rice varieties are estimated using economic surplus analysis. This requires knowledge of the nature of the market for the commodity and the price elasticity of supply and demand. It also requires an estimate of the distribution of benefits or losses obtained by producers and consumers. Data on prices, production, trade; projected changes in the price responsiveness of supply and demand to