

Food Safety: An Emerging Issue of increasing world population

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Abstract

According to the World Food Summit organized in Rome in 1996, food security exists when all people, at all times, have physical and economic access to sufficient, safe, nutritious food to meet their dietary needs and food preferences for an active life. It has four dimensions namely food availability, food accessibility, food utilization and food stability. Food availability implies sufficient quantities of food available on a consistent basis at both national and household level. Food accessibility implies the ability of a nation and its households to acquire sufficient food on a sustainable basis. Food utilization refers to the adequate knowledge of basic nutrition and care, as well as adequate water and sanitation, which is part of food safety. Finally, in food stability, to be food secure, a population, household or individual must have access to adequate food at all times. They should not risk losing access to food as a consequence of sudden shocks (e.g. an economic or climatic crisis) or cyclical events (e.g. seasonal food insecurity). The concept of stability can therefore refer to both the availability and access dimensions of food security. Hence, this paper analyses the productivity and food safety, which is a part of increasing population vis-à-vis increase in demand for food, leads to increase the use of pesticides and fertilizers. In this context, the paper analyses the use of pesticides and fertilizers in the production of major food crops. The world consumption and surplus after consumption of major food crops also analyses to evaluate the food safety. It concluded that the main reason for food safety is increasing demand for increasing world population. This paper is also describes the main component of fertilizers and pesticides in food items.

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