



Climate Change and Future of Agriculture: Is Food Security in Danger?

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Climate change has emerged as one of the most critical concerns of humankind during last decade. Many academics have warned on the possible adverse impacts of this global phenomenon. It is predicted that all nations, developed or developing, would be affected by climate change though by different percentage.

One the major concerns relates to the agriculture as the main source of food supply and job creation in over two-third of world countries. Potential climate-related effects on crop yield in the future, especially for food staples, are not only an economic issue but also a major societal concern. The findings obtained from global simulation models, show substantial climate impacts on all major crops. Asian countries and South Asia in particular, are projected to be among the most affected regions. Considerable yield drop for maize, soybean and rice is predicted which endangers human and animal food supply.

Obviously, it may lead to meaningful shock to food price, and less accessibility of food for vulnerable households. By taking these predictions together, one may conclude that food security would be in danger at least in majority of developing and least-developed nations, which are mainly located in Asia, Sub-Saharan Africa and part of Latin America.

In sum, policymakers should adopt climate change adaptability measures in order to reduce the adverse impacts of climate change and global warming on agriculture.