Agri-2014
OMICS Group Conferences
Accelerating Scientific Discovery
2nd International Conference on
Agricultural & Horticultural Sciences
February 03-05, 2014 Hyderabad, India

Fallacies' in studies of global warming vs agriculture

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Abstract

International agencies every now and then are warning developing countries with their short-sighted conclusions in their reports on the so called impacts of global warming on agriculture. It is well known in the basic science that in tropical countries, where most of the developing countries are located, moisture is the limiting factor and energy & temperature are the limiting factors in extra tropical countries. The international agencies are adopting models developed in extra tropical countries and they are predicting misleading conclusions on food production. On this they are emphasizing the need to implement chemical inputs technologies and genetically modified crops to achieve food security in developing countries. These are flawed theories. The study by FAO showed globally produced food is wasted through losses and wastage by around 30% and to that extent all the inputs are also wasted in producing that much food. In India it is 40-50%. Unfortunately they are using global warming and food security path to achieve their sole goal of business interests. Here, it is essential to know two things: that in fact Indian farmers have shown tremendous yields under organic farming and thus India needs traditional organic farming under cooperative farming structure that includes animal husbandry; and in climate change the natural systematic variations play vital role in agriculture that define moisture availability for choosing farming system.

Biography

S. Jeevananda Reddy got his post graduation in Geophysics & Applied Statistics from AU in Visakhapatnam and received Advance Training in Meteorology & Oceanography from IMD training school in Pune. Dr. Reddy got his Ph.D. in agriculture Meteorology from the Australian National University, Canberra/Australia. Dr. Reddy served both national and international institutions in India and as well in abroad. Dr. Reddy worked as Expert of FAO/UN & as Chief Technical Advisor of WMO/UN. Dr. Reddy was awarded Fellow of Andhra Pradesh Akademy of Sciences. He published around 12 books and wrote chapters to several books and published around 500 scientific and popular articles. Dr. Reddy is presently working voluntarily to serve the cause of environment as well Core Member of Energy Conservation Mission of Institute of Engineers (India) AP Chapter & Member of Hyderabad Chapter committee of Indian Meteorological Society.