Addressing Second Generation Challenges to the Green Revolution While Managing Natural Resources and Climate Change

Dr. Raj Paroda

Former Director General of the Indian Council of Agricultural Research (ICAR) and Secretary of the Department of Agricultural Research and Education (DARE), Government of India

Recently, India celebrated the Golden Jubilee (50 years) of the Green Revolution that contributed to an era of food self-sufficiency for the country. Despite a rapid increase in population over the years, production of food grains rose fivefold, converting India from a country that depended on imported grain to an exporter of grains. However, India now faces “second generation” challenges to the Green Revolution. These include declines in productivity, poor soils, loss of organic carbon, water pollution, increased pests and crop diseases, rising costs of inputs, a decline in farm profits, and the adverse impacts of climate change. A crisis in agricultural sustainability is emerging.

Dr. Paroda will address these challenges in his seminar, will offer possible solutions, and will discuss some new developments in technology and policies.