

The Norman Ernest Borlaug contribution to the South Asian Agricultural system of Pakistan

“Yield of all major and minor crops in Pakistan is below the world’s average,

HAMZA SHAKEEL

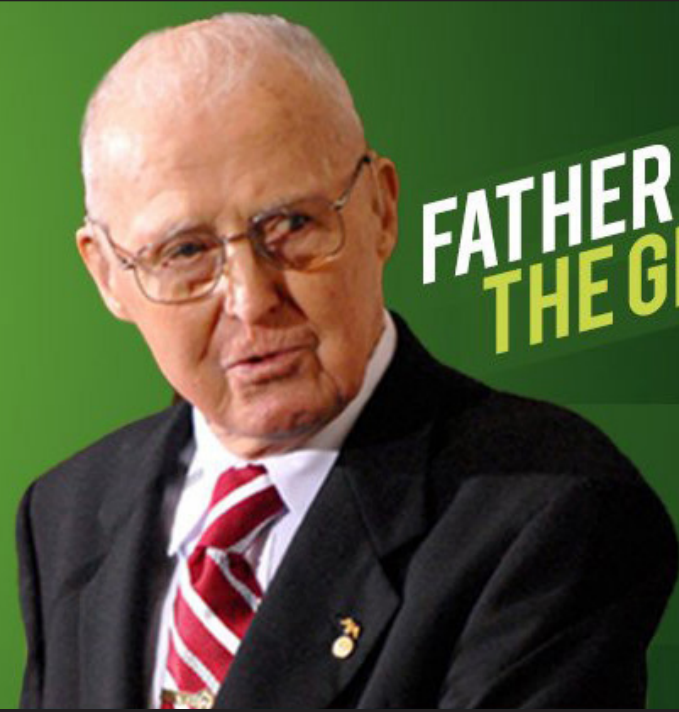
**NORMAN
ERNEST
BORLAUG**

A Noble laureate “Norman Ernest Borlaug” is known for laying the foundation of technological advancements in the agriculture and also known as the Pioneer of Green Revolution, his manifesto was to reduce the hunger with science. He helped in alleviating the food hunger & poverty in developing economies across the globe like assisting in the agricultural program for Mexico, reducing poverty & hunger in Africa through green revolution, executing the policies for an adequate supply of grain in China. Due to his noteworthy accomplishments in green revolution and contributions in enhanced agricultural productivity in Mexico, Borlaug was further approached by the South Asian countries mainly: India & Pakistan in late 1960s through the support of the Rockefeller foundation & UN food & Agricultural Organization. Several unfortunate events like, starvation, shortage of food due to severe outcomes of the World War II and sudden surge in the population growth rate grave repercussion in the Indian subcontinent along with the other parts of the world.

The panache of Borlaug’s approach carried out a crucial role in South Asia by introducing his dwarf wheat; a disease-resistant wheat in both India & Pakistan responsible for increasing the harvests by 60-percent in early 1970s and making these countries self-reliant in enhancing agricultural productivity in a short span of time. Eventually, saving billions of lives from deadly deterioration and starvation in these countries.

High yielding and disease-resistant varieties of wheat along with advanced agricultural techniques helped Pakistan increasing wheat production from 4.6 million tons in year 1965 to 7.3 million tons in year 1970 and furthermore in year 2000, the wheat production got increased by 21 million tons. India harvested about 10 million tons of wheat in year 1963 and, the output of wheat got doubled by 20 million tons in year 1970 from 10 million tons in year 1963. In both countries, the production of food increased rapidly than the population growth rate since the 1960s. The wheat varieties pioneered by the Borlaug proved to be pliant easily, as they gave the comparable outcomes in Pakistan & India as they gave in Mexico.

Borlaug has been dispensing significant advantages to the developing countries in the 21st century. Since the 1960s till now, the Green revolution transfigured the production of agricultural items & crops, launched new varieties of wheat & seeds and secure the food in Pakistan and India since then; these countries are generating maximal revenue from the agricultural sector.



FATHER OF THE GREEN REVOLUTION

AMERICAN AGRONOMIST

Today, the modern farming practices & diseases-resistant varieties of these “wheat” proposed by the Borlaug has been dispensing significant advantages to the developing countries in the 21st century. Since the 1960s till now, the Green revolution transfigured the production of agricultural items & crops, launched new varieties of wheat & seeds and secure the food in Pakistan and India since then; these countries are generating maximal revenue from the agricultural sector.



Illustration: Because of Norman Borlaug’s bold action to help impoverished farmers, Mexico became self-sufficient in wheat production and a grain exporter to other countries by 1963!

Source: Bold Business