

BORLAUG INSTITUTE FOR SOUTH ASIA (BISA)

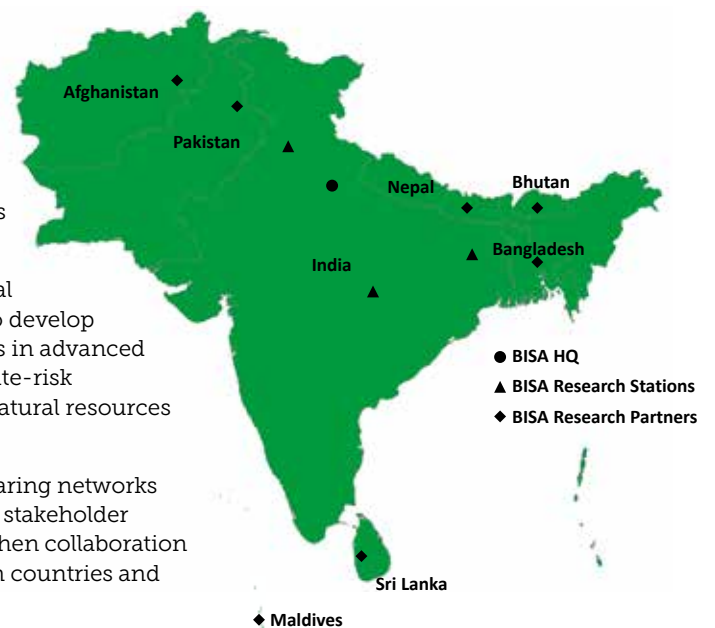


BISA was established on October 5, 2011, through an agreement between the Government of India (GoI) and the International Maize and Wheat Improvement Center (Spanish acronym CIMMYT) and was bolstered by the globally credible name of Nobel Laureate Dr. Norman Ernest Borlaug. The institution draws on the decades of experience and success by CIMMYT, the Consultative Group on International Agricultural Research (CGIAR), and a global network of partners in using research to generate tangible benefits for farmers internationally. BISA is supported by a growing number of national stakeholders in South Asia. It is committed to stronger collaborations for accelerated impact, most prominently with the Indian Council of Agricultural Research (ICAR) and the three state governments (Punjab, Bihar, and Madhya Pradesh) where BISA farms are located.

What we do

Still in a developing growth trajectory, South Asia harbours almost a quarter of the world's hungry and nearly 40% of the world's malnourished children and women. Climatic risks are only adding to the woes with weather extremities visibly threatening food production and quality. To attain the goals of food security against the backdrop of a bludgeoning population, environmental degradation and stressed resources, it is imperative to bring about transformative solutions via science led research and coordinated interventions. BISA is addressing these challenges specifically. The key mechanisms are:

- Deploy advanced breeding and molecular genetics techniques for increasing wheat and maize yield potential and its stability in the region.
- Develop, pilot and implement advanced research and development models for scaling up climate-smart agricultural practices and technologies.
- Operate as a Regional Learning Platform to develop researcher capacities in advanced crop breeding, climate-risk management, and natural resources management.
- Build knowledge-sharing networks by collating multiple stakeholder interests and strengthen collaboration between South Asian countries and with Africa.





M.S. Swaminathan (left) and Norman Borlaug (right) in a semi dwarf wheat field with fellow scientists in India.

Vision

Carry forward the legacy of the father of the Green Revolution, Dr. Norman E. Borlaug, and create a hunger free, food secured South Asia via advanced scientific research and environmentally sustainable agricultural practices.

Our Reach (2011-2021)

200,000

stakeholders' capacity strengthened in different technologies

15,000

wheat genotypes evaluated using precision phenotyping and genomics

10,000

kg ha⁻¹ productivity achieved first time in the Indian wheat trial

5,000

ton quality seed produced and distributed to stakeholders

3,000

villages in India and Nepal transformed following the Climate Smart Village approach

170

million \$ subsidy by the GoI for 'No Residue Burning' in rice-wheat system

400

ha state-of-the-art farms established

200

international stakeholders trained in advanced research

200

papers published in international journals

30

national and international donors supported BISA programs



Current Donors:

1. Indian Council of Agricultural Research (ICAR), Govt. of India
2. Department of Biotechnology (DBT), Govt. of India
3. Department of Science and Technology (DST), Govt. of India
4. Govt. of Bihar
5. BMGF
6. JIRCAS, JICA
7. GIZ
8. Escorts Skill Development
9. IFPRI
10. USAID

Current Partners:

1. International Maize and Wheat Improvement Centre (CIMMYT)
2. International Rice Research Institute (IRRI)
3. International Food Policy Research Institute (IFPRI)
4. Kansas State University (KSU)
5. Cornell University
6. Nepal Agricultural Research Council (NARC)
7. Bangladesh Agricultural Research Council (BARC)
8. Bangladesh Agricultural Research Institute (BARI)
9. Department of Agriculture, Sri Lanka
10. Indian Institute of Wheat and Barley Research (IIWBR)
11. Punjab Agricultural University (PAU)
12. Bihar Agricultural University (BAU)
13. Dr. Rajendra Prasad Central Agricultural University (DRCPAU)
14. Jawahar Lal Nehru Krishi Vishwa Vidyalaya (JNKVV)

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