

45 years of collaboration



The longstanding research partnership between the People's Republic of China and CIMMYT, an international organization headquartered in Mexico, is improving the lives of millions of people in China through science-driven, evidence-based solutions. Thanks to close cooperation with the Chinese Academy of Agricultural Sciences (CAAS) in Beijing, CIMMYT partners with government agencies, universities and farmers' organizations to sustainably increase the productivity of maize and wheat systems for improved livelihoods and food and nutritional security.

Key areas of collaboration

Wheat improvement

- Over 4 decades, CIMMYT-China collaboration has resulted in up to 10.7 million additional tons of wheat, worth US \$3.4 billion, based on 2011 prices, to China's national wheat output.
- Since 2000, 26% of wheat grown in China has been derived from CIMMYT germplasm.
- 200,000 CIMMYT unique collections of wheat seed are stored in China; China has added over 1,000 varieties and lines to the CIMMYT genebank collection.
- CIMMYT has built resistance to powder mildew and yellow rust, common diseases in China.
- The joint wheat quality laboratory established by the Chinese Ministry of Agriculture and Rural Affairs (MARA) and CIMMYT has developed 60 gene-specific markers for quality traits that are used in 24 countries.

Maize improvement

- CIMMYT maize varieties have been planted on more than 1 million hectares across the country.
- 3,000 new inbred lines were introduced to broaden the genetic base of Chinese maize germplasm in southwest provinces.
- The MARA-CIMMYT partnership has released 13 commercial maize varieties in Nepal and elsewhere.

Sustainable agriculture

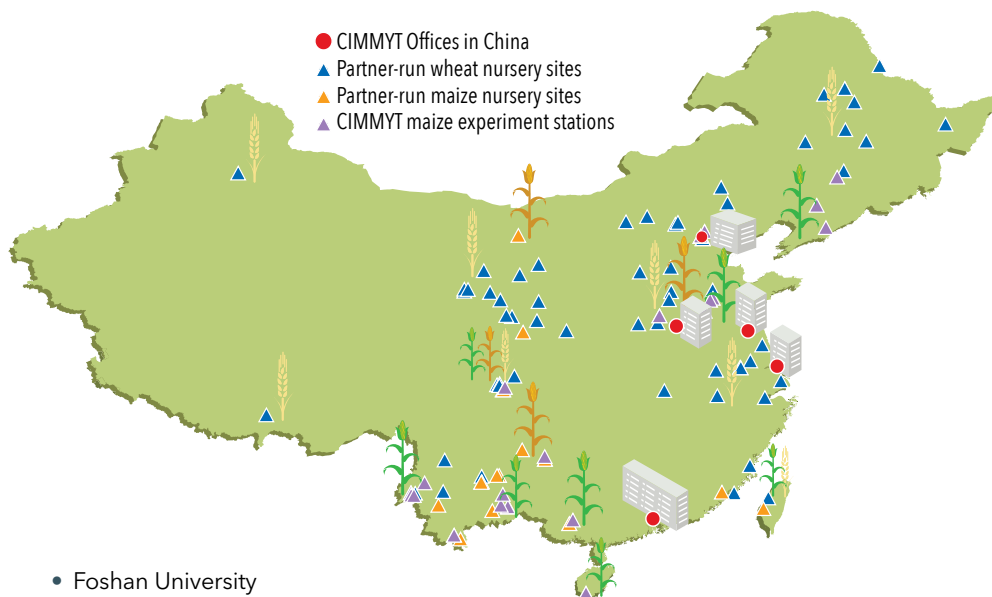
- Conservation agriculture practices developed by CIMMYT and refined by Chinese scientists reduce tillage and improve water use and input production costs.
- Farmer adoption of the innovative raised bed planting system now spans nearly 200,000 hectares in rainfed and irrigated zones of the Yellow River Basin of Gansu and Shandong Provinces.



The President of the People's Republic of China, His Excellency Xi Jinping, welcomes Martin Kropff, former DG and Emeritus at CIMMYT on January 9, 2017; after which CIMMYT receives the International Science and Technology and Technology Cooperation Award, recognizing the the Center's collaborative work to improve China's maize and wheat research and training of national scientists.

Partnerships

- Seven CIMMYT scientists are working closely with the Ministry of Agricultural and Rural Affairs and are located in Beijing, Henan, Shanghai and Guangdong, the largest group among CGIAR centers in China.
- CIMMYT relies on South-South collaboration between China, India and Brazil, as well as numerous countries in Africa, to tackle the causes of low farm productivity, such as lack of mechanization, and drudgery in women's work in eastern and southern Africa.



Training programs

- The CIMMYT-China partnership has developed 30 training courses to increase technical capacity in agriculture research. More than 1,000 Chinese scientists and graduate students have attended these course in China.
- Over 110 CIMMYT-trained scientists hold research professor positions in Chinese research institutes and universities.

In China, CIMMYT partners with:

- CAAS
- The Chinese Scholarship Council.
- The Chinese Ministry of Agriculture and Rural Affairs (MARA)
- China MoST including NSFC
- The China State Administration of Foreign Expert Bureau
- China Agricultural University
- Foshan University
- The Gansu Academy of Agricultural Sciences
- The Guangxi Academy of Agricultural Sciences
- The Henan Academy of Agricultural Sciences
- Henan Agricultural University
- Huazhong Agricultural University
- The Jilin Academy of Agricultural Sciences
- The Jiangsu Academy of Agricultural Sciences
- Join Hope Seeds Co., Ltd
- Nanjing Agricultural University
- The Ningxia Academy of Agriculture and Forestry Sciences
- Northwest A & F University
- The Shandong Academy of Agricultural Sciences
- The Shanghai Academy of Agricultural Sciences
- The Sichuan Academy of Agricultural Sciences



From left to right: CAAS President Tang Huajun, Vice-Minister Yu Xinrong of the Ministry of Agriculture and Rural Affairs (MARA), MARA Minister Han Changfu, and CIMMYT Country Representative Zhonghu He.

- The Xinjiang Academy of Agricultural Sciences
- The Yunnan Academy of Agricultural Sciences

Awards

- Eight wheat and maize varieties derived from CIMMYT germplasm received national awards.
- Seven CIMMYT scientists received the Friendship Award.
- The CIMMYT-China program received the CGIAR Regional Award (2007), the State Council Science and Technology Progress Award (2008 and 2015) and the China Ministry of Agriculture Innovation Team Award (2012), in addition to the China International Science and Technology Cooperation Award (2016).



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