

Training Course on Post-harvest Processing Technology for Developing Countries

Name	Training Course on Post-harvest Processing Technology for Developing Countries		
Organizer	Yuan Longping High-tech Agriculture Co.,Ltd.		
Time	July 13 th ~July 26 th , 2023	Language	English
Invited Countries	Developing Countries	Number of Participants	25
Purpose	<p>This training aims to 1) make an introduction to China's national conditions and culture , 2) focus on introducing post-harvest processing technology so that the participants can apply the relevant technology in their own country, 3) share China's successful experience to provide a reference for developing countries to improve grain storage, processing and other post-harvest technologies, and 4) promote mutual exchanges and cooperation between China and developing countries in the field of grain storage and processing, etc.</p>		
Requirements for Participants	Professional Background	<p>--Area or specialty: working and specialty in agriculture fields</p> <p>--Position: Government officials, researchers and technicians in related agriculture fields</p>	
	Language Proficiency	Fluent in English (listening, reading, speaking and writing)	
	Others	Participants have access to software such as the Zoom or VooV Meeting. The organizer will provide guidance and technical assistance remotely.	
Training Content	<p>1. Training objectives</p> <p>The training aims to strengthen cooperation and exchanges between China and developing countries in the field of post-harvest processing technology. It will last for 14 days, with English as the working language. The training will be conducted through online lectures, exchange meetings, online visual visits and visual internships, and well-known industry experts and scholars and representatives of agricultural high-tech enterprises of China will be invited to give lectures. The training program will focus on grain primary processing, grain refined processing, safe storage of grain and other techniques. Special sessions will also be organized on specific practical cases to inspire trainees to think about relevant initiatives to improve rice research and production in developing countries.</p> <p>2. Main training courses and the outline in brief</p> <p>(1) China's national conditions and achievements in reform and opening up: Introduction to China's development status of politics, economy, society, culture,etc and China's successful</p>		

experience in policies of Reform and Opening up.

(2) Grain primary processing technology: A systematic introduction to the technology of primary processing processes and equipment of grains with detailed descriptions of the various technical principles as well as technical methods. Learn how to select suitable production processes and equipment according to the characteristics of various grains and the conditions and technological requirements of the process, to achieve the aim of being able to basically master the primary processing technology of rice.

(3) Grain refined processing technology: Introduction to the purpose and significance of deep processing of rice; methods and process requirements for nutritional fortification of rice; types of various rice products and production processes.

(4) Grain storage basics: Introduction to grain storage knowledge and related technical aspects, so that participants can initially master the basic skills related to grain storage, understand the importance of grain storage, and lay a good foundation for good grain storage with basic technical skills instruction.

(5) Grain inspection methods and standards: Systematically introduce the general situation of grain quality and sanitation standards; grain inspection technology and related key points, and general overview of grain quality monitoring and management. Understand the basic knowledge of grain-processing food and master the basic methods of quality management and inspection, and improve the understanding and preliminary methods of grain quality management and inspection.

(6) Post-harvest technology of major grain crops: Mainly introduces the storage and processing technology of other major grain crops such as wheat and corn.

3. Introduction to the Online virtual visits

(1) Online virtual visit will be arranged in Hunan Xiangliang Machinery Manufacture Co., Ltd to learn about the main agricultural machinery related to grain production, processing and storage and to exchange agricultural machinery operation and cooperation.

(2) Online virtual visit will be arranged in companies and sites related to grain storage and processing to learn about the application of expertise related to grain production, processing and storage in actual production and processing, and to enhance technical exchanges with Chinese grain industry companies and experts.

4. Brief introduction of lecturers and professors

(1) Prof. Jiang Jiankun, Senior Engineer, has been working in grain engineering for more than 30 years and has rich experience in grain industry management and process design. He has successfully presided over the process planning and renovation of factories for many times and has presided over the preparation of several professional training materials for foreign aid, and has rich

design capability and experience in China-aid work in grain processing.

(2) Prof. Lu Zhuangxiong, Senior Engineer, whose main research interests are grain and oil storage and grain reserve management. He has co-edited several books including *Grain and Oil Storage, Food Storage and Packaging* and *Grain Stock Inspection Practice*. He presided and completed *the Planning Research on Modern Grain Logistics System of Hunan Main Grain Depots*, a soft science subject of the State Administration of Grain of the PRC. Also, he was awarded the second-class merit by Hunan Provincial People's Government.

(3) Prof. Ni Xiaoying, Senior Engineer, whose main research interests are safety and quality control of cereals, oils and foodstuffs, has presided over 10 revisions of food industry standards; led the development of the method standard *Inspection of Grains and Oils -- Rapid Determination of Cadmium in Rice -- X-ray Fluorescence Spectrometry*, which is the first of its kind in the world and fills the gap of this technology in China. She has presided over 3 provincial and ministerial level scientific research projects and participated in 6 scientific research projects; completed 2 invention patents; obtained 1 book copyright; completed 1 registration of results; published more than 20 papers.

(4) Prof. Wang Chaoying, Senior Engineer, has worked in the grain processing industry for more than 30 years; served successively as such as engineer of a rice mill company, director of a rice mill, production management manager of a large listed rice company, etc; has won the first prize of Changde Science and Technology Progress Award, and has participated in China-aid training teaching since 2013.

(5) Prof. Yao Aiqun: Senior Engineer, international trade manager of Hunan Xiangliang Machinery Manufacture Co., mainly engaged in international technical cooperation and trade of agricultural machinery

(6) Dr. Ma Songlin: Associate Professor, academic and technical leader of Henan Province Office of Education, whose main research area is international trade of agricultural products.

(7) Dr. Guan Erqi: Associate Professor, Master Tutor, National Excellent Science Worker on Grains and Oils; has presided over and completed projects of National Natural Science Foundation of China (NSFC) and national grain and oil standards revision projects, etc. His main research area is quality of agricultural products and food safety.

(8) Prof. Xie Jun, Professor of Hunan University. She has rich experience in international exchanges and cooperation for decades. Prof. Xie has mainly engaged in English teaching and translation, Chinese culture and national conditions research, etc.

5. Materials to be prepared by the trainees

In order to facilitate exchanges with Chinese experts, please prepare materials related to the

	<p>subject of the training of your country, such as: <input type="checkbox"/>Introduction of your profession and your institute; <input type="checkbox"/>Current status and existing problems of post-harvest technology in your country; <input type="checkbox"/>The Cooperation between your country and other countries or international organizations in grain processing and storage ; <input type="checkbox"/>The agricultural cooperation between your country and China; etc.</p> <p>Final test/assessment</p> <p>In the form of test questions or essays</p>
Notes	<ol style="list-style-type: none"> 1. The training program will be held online, which requires participants to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc. 2. Participants should be punctual and well-disciplined. The Certificate of Completion will be issued to those who meet all the requirements including good attendance records. 3. Participants should enter the virtual classroom in advance with the screen name “NAME + COUNTRY” identical to the passport information. 4. Participants should respect and maintain the confidentiality and security of the information and data concerning the Seminar. Course materials will be shared to participants after class, which shall not be made public or posted via social media. 5. Participants should prepare report for discussion session(s) as scheduled.
About the Organizer	<p>Yuan Longping High-tech Agriculture Co., Ltd. (hereinafter referred to as Longping High-tech) is an international seed company named after the Academician Yuan Longping, the “Father of Hybrid Rice”. CITIC Group is the controlling shareholder. Established in 1999 and listed in 2000, Longping High-tech ranked the 8th of seed industry around the world in terms of comprehensive strength in 2018. Longping High-tech is awarded as “China-aid Hybrid Rice Technology Training Center” by the Ministry of Commerce of China.</p> <p>Longping High-tech is mainly engaged in the seed business of hybrid rice, maize, vegetable, millet, edible sunflower, wheat, cotton and rape seeds, and provides agricultural services such as new-type professional farmers training, precision planting, quality grain trading, field restoration and development, brand agriculture, agricultural finance, etc.. The company has built a globalized commercial breeding system. With more than 10% of its operating income in R&D investment, Longping High-tech has established R&D centers in China, the Philippines, Pakistan, India, Brazil and USA, etc.. Its R&D and innovation capability of main crop seeds rank at the top level in the</p>

	<p>world.</p> <p>Seizing the opportunity provided by the Belt and Road Initiative, Longping High-tech makes full use of its leading position in rice and maize seed industries and promotes its international operations around the world with subsidiaries established in the Philippines, India and Timor-Leste and trade ties with more than 40 countries and regions. At the same time, Longping High-tech actively carries out international training programs and agricultural cooperation, and has trained nearly 10,000 agricultural talents from more than 100 countries in Asia, Africa and Latin America, the South Pacific Region. Besides, Longping High-tech has undertaken more than 20 China-aid projects on technical cooperation, helping developing countries develop agriculture and solve food security with China's advanced agricultural technology, and making a significant contribution to global food security.</p>
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