Training Course on Agro-Product Processing Mechanization and Post-Harvest Loss Reduction Technology for the Belt and Road Countries

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<tr><td>Program name</td><td colspan="5">Training Course on Agro-Product Processing Mechanization and Post-Harvest Loss Reduction Technology for the Belt and Road Countries</td></tr>
<tr><td>Organized by</td><td colspan="5">Chinese Academy of Agricultural Mechanization Sciences Group Co., Ltd. (CAAMS)</td></tr>
<tr><td>Time</td><td colspan="2">2026-05-20 -- 2026-06-09</td><td>Language used</td><td colspan="2">English</td></tr>
<tr><td>Countries invited</td><td colspan="5">Belt and Road Countries</td></tr>
<tr><td>Planned number of participants</td><td colspan="5">25</td></tr>
<tr><td rowspan="4">Requirements for the Participants</td><td>Age</td><td colspan="4">Under 45 for officials at or under director’s level; under 50 for officials at director general’s level.</td></tr>
<tr><td>Health condition</td><td colspan="4">In good health with health certificate issued by the local public hospitals; without diseases with which entry to China is disallowed by China’s laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without metal diseases or epidemic diseases that are likely to cause serious threat to public health; not in the process of recovering after a major operation or in the process of acute diseases; not seriously disabled or pregnant.</td></tr>
<tr><td>Language competence</td><td colspan="4">Capable of listening, speaking, reading and writing in English during the training</td></tr>
<tr><td>others</td><td colspan="4">Family members or friends shall not follow</td></tr>
<tr><td>Venue</td><td colspan="2">Beijing</td><td>Weather conditions</td><td colspan="2">20℃~30℃</td></tr>
<tr><td>Cities to be visited</td><td colspan="2">Xiamen City, Fujian Province
Zhangzhou City, Fujian Province
Weifang City, Shandong Province
Taian City, Shandong Province
Jinan City, Shandong Province</td><td>Weather conditions</td><td colspan="2">Xiamen City, Fujian Province:20℃~30℃
Zhangzhou City, Fujian Province:20℃~30℃
Weifang City, Shandong Province:17℃~30℃
Taian City, Shandong Province:17℃~30℃
Jinan City, Shandong Province:17℃~30℃</td></tr>
<tr><td>Remarks</td><td colspan="5">1. The training will include a session for country report. All participants are requested to prepare in advance discussion materials relevant to the project theme. Please give a comprehensive introduction to your country’s basic overview, cultural features, development status in relevant fields, existing challenges, and demands for future cooperation, so as to facilitate efficient exchanges and targeted cooperation.
2. Please bring formal wear, national costumes, or uniforms for formal events during Seminar.
3. Please bring an appropriate amount of commonly used medicines.
4. Please bring your own laptop.
5. Please check the permitted luggage allowances for your international and Chinese flights.
6. Confirm whether luggage needs to be rechecked during connecting flights.
7. Personal modifications to arrival/departure flight tickets are generally not permitted. If required, please contact the Economic and Commercial Office of the Chinese Embassy in your country to process the modification following official procedures.</td></tr>
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<tr><td></td><td colspan="2">8. If unable to depart on schedule due to special reasons or experiencing flight delays during transfers, please immediately contact the Chinese Embassy or organizer to provide updated flight details for pickup arrangements.
9. After collecting luggage upon arrival, proceed to the international/domestic arrival exit and wait patiently. Organizer will arrange pickup service with a pickup sign marked "CAAMS". If waiting exceeds 15 minutes, please contact the organizer.
10. If you fail to get your checked luggage, do not wait there for long time. Please contact the organizer to confirm the luggage delivery address.
11. Please download and register the WeChat software in advance.</td></tr>
<tr><td rowspan="6">Contact information of the organizer</td><td>Contact person for the program</td><td>Ms.Liu Lu</td></tr>
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<tr><td>E-mail</td><td>caams-training@foxmail.com(Ms.Liu)</td></tr>
<tr><td>Address</td><td>No.1 Beishatan DeshengmenWai, Beijing, China</td></tr>
<tr><td>About the Organizer</td><td colspan="2">Chinese Academy of Agricultural Mechanization Sciences Group Co., Ltd.(CAAMS) founded in 1956, is among China’s first batch of innovative enterprises and high-tech enterprises. It is committed to providing advanced technologies and equipment for agriculture. Enjoying a universally recognized position as a technology leader in the industry, CAAMS focuses on three major business sectors: high-end equipment, agricultural engineering, and information technology and services. It serves as the strategic research hub, technological innovation center, product radiation center and international exchange center of China’s agricultural machinery industry. Since its establishment, it has led the development of over 3,000 types of agricultural machinery products in nine categories, accounting for 85% of the industry total, making significant contributions to China’s agricultural modernization.
CAAMS has successively organized nearly 60 training programs on agro-product processing. This training theme was rated as one of the first classic training programs by the Ministry of Commerce in 2020, and has won high recognition from participants. Featuring extensive coverage, rich themes, comprehensive curriculum, strong practicality, as well as professionalism, practicality and interesting teaching, the programs have been highly praised by all recipient countries. Through continuous technological innovation, implementation of domestic and foreign agricultural projects, and industrial research and cooperation, CAAMS has mastered targeted agro-product processing and post-harvest loss reduction technologies applicable to diverse regions and conditions. It shares practical and effective agricultural development experience with developing countries, promotes the progress of agricultural mechanization technologies worldwide, and contributes to the coordinated and sustainable social and economic development of recipient countries.</td></tr>
<tr><td>Training content</td><td colspan="2">1. Main training content
This training adopts a combination of lectures, communications and exchanges, visits and inspections and professional practice to industry development achievements and experience with participants. The main courses are as follows:
1) Introduction to China’s National Conditions: It introduces China’s basic conditions including political concepts, social history and traditional culture, and analyzes the development positioning and strategic background of agriculture, rural areas and farmers. It helps participants understand the national development logic from a macro perspective, consolidate cognitive foundations, and accurately grasp the development background and</td></tr>
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	policy orientation of the agricultural sector. 2) Overview of China's Agriculture and Relevant Policies: It summarizes the layout of planting and breeding, production capacity and industrial chain development status, and elaborates core policies such as agricultural subsidies, cultivated land protection and rural revitalization. It clarifies agricultural development directions and supportive measures, enabling practitioners to operate in compliance with regulations, leverage policies and seize industrial opportunities. 3) Construction of Quality and Safety Standard System for Agro-Products and Food: It sorts out the hierarchical framework of national, industrial and local standards, and interprets the formulation and implementation specifications of safety standards concerning pesticide residues, additives and traceability management. It establishes a standardized cognition system, regulates the whole production and processing procedures, strengthens the source prevention and control of food safety, and ensures dietary health. 4) Application of Intelligent Sorting and Detection Technologies for Agro-Products: It teaches core intelligent sorting technologies such as spectroscopy, machine vision and non-destructive testing, and includes practical operations for rapid identification of pesticide residues, impurities and product grades. It replaces traditional manual inspection, improves the accuracy and efficiency of agricultural product grading, strictly controls raw material quality, and reduces risks of detection errors. 5) Green Processing, Energy-saving and Loss-reduction Technologies for Agro-Products: It explains green processes such as low-temperature processing, clean production, water and energy conservation, and popularizes key technologies for loss reduction in storage and processing. It helps enterprises realize low-carbon production, reduce resource waste and product loss, and balance environmental benefits and cost optimization. 6) Construction of Intelligent Warehousing and Cold Chain Logistics System: It analyzes the core framework of intelligent warehouse management, temperature-controlled fresh-keeping and cold chain intermodal transportation, and introduces cold chain equipment, digital operation and full-area distribution models. It improves the fresh-keeping and circulation chain of Agro-Products, extends the shelf life, and solves problems such as high fresh product loss and cross-regional distribution difficulties. 7) Deep Processing and High-value Utilization Technologies for Agro-Products: It focuses on deep processing of Agro-Products, functional ingredient extraction and by-product recycling technologies, and develops high-value-added food and derivatives. It extends the agricultural industrial chain, taps value-added potential, and improves economic benefits and market competitiveness. 8) Construction of Quality Safety and Traceability System for Agro-Products: It explains technologies such as one-item-one-code, big data traceability and whole-process account management, and builds a full-chain traceability mechanism from farm to table. It realizes traceable information of origin, processing and circulation, enables rapid investigation of potential safety hazards, and strengthens whole-process supervision. 9) Food Packaging Technology: The course introduces the features and applications of seven packaging technologies including moisture-proof, vacuum, gas-flushed, shrink, modified atmosphere, canning and aseptic packaging, as well as the development trend of fruit packaging technologies. 10) Application of New Drying and Storage Technologies for Agro-Products: It explains the principles of agricultural product drying and dehydration processing, drying equipment and technical processes, and illustrates the application of drying technologies. It also covers storage technologies such as low-temperature storage, microbial fresh-keeping and ultraviolet irradiation treatment. 11) International Agricultural Cooperation and Green Sustainable Development: It cultivates participants' comprehensive awareness of international cooperation and environmental protection, providing valuable references and laying a solid foundation for future international cooperation projects. 2. Brief Introduction to the Planned Visit Activities (visiting city may be changed according to the practical arrangement): Combined with the teaching content of each stage, participants will visit the National Engineering Laboratory for Agricultural Machinery Equipment and the National Food Machinery Quality Supervision and Inspection Center of CAAMS, as well as relevant laboratories of China Agricultural University and the Chinese Academy of Agricultural

	Sciences. Off-site study tours will also be arranged to universities and research institutions such as Weifang Food Research Institute. Integrating theory with practice, the activities help participants improve professional capabilities and gain an in-depth understanding of the current situation and future development trends of the industry. 3. About the lecturers A total of 10 instructors have been invited for this training course. Most are seasoned experts and scholars with years of in-depth experience in the field of agro-product processing, all holding senior professional titles or above, and boasting extensive teaching and research expertise. 1) Ma Teng, senior engineer of CAAMS, has long been engaged in the implementation and management of agricultural engineering projects, as well as international training and trade. 2) Song Xiaomin, senior engineer of CAAMS, focuses on project implementation and management in animal husbandry machinery, alongside international training and trade. 3) Liu Nana, Associate Professor at Beihang University. Her research focuses on Marxist state theory and the history of Marxism. In ideological and political teaching, she emphasizes cultivating students' global vision and critical thinking. 4) Zhang Xiaoyan, professor-level senior engineer of CAAMS. She has long conducted research on quality & safety inspection and standard system construction for agricultural products and food. 5) Lin Yaling, research of CAAMS. She specializes in the R&D of technology and equipment for tuber processing machinery. 6) Liu Xiangdong, professor at China Agricultural University. His research covers drying technology and theories, processing technologies & equipment for agricultural products, and agricultural equipment design. 7) Wu Xiaomeng, associate professor at China Agricultural University. She has rich experience in teaching agricultural product processing courses. 8) Bi Chonghao, associate professor at Beijing Technology and Business University. He researches plant-based emulsion systems, biomaterial rheology, and intelligent food equipment manufacturing, combining research with teaching. 9) Liu Jie, professor at Henan University of Technology. She devotes herself to research and promotion on quality management of agricultural product processing. 10) Zhang Yimin, professor at Shandong Agricultural University. She mainly undertakes teaching and scientific research in the field of meat science.