

## Training Course on Modernized Vegetable Seedling and Plant Factory Production Technology for Belt and Road Countries

Name	Training Course on Modernized Vegetable Seedling and Plant Factory Production Technology for Belt and Road Countries		
Organizer	Chinese Academy of Agricultural Mechanization Sciences Group Co., Ltd (CAAMS)		
Time	2024-10-10 -- 2024-10-30	Language for Learning	English
Invited Countries	Belt and Road Countries		
Number of Participants	25		
Requirements for the Participants	Age	Under 45 for officials at or under director's level; under 50 for officials at director general's level.	
	Health	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.	
	Language	Capable of listening, speaking, reading and writing in English during the training	
	others	Family members or friends shall not follow	
Host City	Beijing	Local Temperature	20-30°C
Cities to visit	Jinan City, Shandong Province, Taian City, Shandong Province, Baoding City, Hebei Province	Local Temperature	Jinan City: 20-30°C Taian City: 20-30°C Baoding City : 20-30°C
Notes	<p>1. Responsibility and Obligations: Participants are representatives of your government, country and people, should be responsible for your actions and performance, complying with Chinese laws and relevant regulations of the seminar, and fulfilling corresponding obligations.</p> <p>2. Discipline requirements: During the training, please strictly adhere to the arrangement schedule, and do not arrange activities unrelated to seminar without authorization. Do not withdraw from training without reason.</p> <p>3. Country Reports: Please prepare communication materials related to the seminar topic of your country.</p> <p>4. Training preparation: Please prepare for training according to the training arrangement and the weather conditions of the cities where the training is held.</p> <p>5. Luggage requirements: ① Please note the luggage allowance for international and domestic flights. Charges for overweight luggage and flight delays caused by luggage disputes are the responsibility of the individual. ② Please confirm if you need to check in your luggage again when transferring. ③ In the event of loss of checked luggage, please notify the airline in good time. When completing the registration form, please call the organizer's contact person to confirm the delivery address.</p> <p>6. Arrangement for missed flight and pick up: ① If you are unable to depart on time due to special circumstances, or if your flight is delayed during the transfer, please inform the organizer's contact person of the latest flight status in good time to arrange pick up. ② After your flight lands, please wait patiently at the international (or domestic) arrival exit. If you</p>		

	<p>have waited more than 15 minutes, you can call the contact person.</p> <p>7. Refunds and Ticket Changes: Ticket changes or refunds without permission or refunds and ticket changes for personal reasons will be at the expense and responsibility of the individual.</p>	
Contact of the Organizer	Contact Person(s)	Ms.Liu Lu
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About the Organizer	<p>Chinese Academy of Agricultural Mechanization Sciences Group Co., Ltd.(CAAMS) was founded in 1956, and is one of the first group of national innovation-oriented hi-tech enterprises. CAAMS is committed to provide agriculture with advanced technology and equipment. CAAMS is a well-known origin of agricultural engineering technologies in China, and has provided the technologies of more than 3,000 kinds of agricultural &amp; food machinery in 9 categories to our country. CAAMS is a nation-wide center for technical research, strategic planning, product marketing and international cooperation. CAAMS has provided more than 3,000 kinds of agricultural &amp; food machinery in 9 categories to our country (85% of the whole trade), while making great contribution to the national agricultural modernization.</p> <p>Under the guidance and support of the Ministry of Commerce, CAAMS, as the backbone unit of China-aid training programs, has successfully implemented nearly 200 China-aid technical training and seminar programs of various types (including overseas programs) since the 1980s, with nearly 5,000 participants from more than a hundred developing countries in Asia, Africa, Europe, Latin America, and the South Pacific, etc., and has launched a wide range of international exchanges and cooperation programs on this basis, which have strengthened the bi-/multilateral technological, economic and trade cooperation while enhancing the friendship between each other.</p>	

Seminar  
Content

1. Introduction of the main training subjects and content

On this Training Course, the development achievements and experience will be discussed through lectures, symposiums, technical visits and other forms. Major courses include but not limited to the followings:

1)China's Basic National Conditions: introduces the politics, society, history, traditional culture and other aspects of China, introduce the background of Belt and Road, its principle of achieving shared growth through collaboration, its significance, the Belt and Road Forum and international cooperation.

2)Modern Agriculture and Economic Development: analyzes China's important measures to improve the comprehensive agricultural production capacity, further understand the current agricultural and rural economic development, point out its importance for the participants' countries to promote facility agriculture, and provide policy and standard support.

3)Practical Techniques for Greenhouse Vegetable Planting: introduces the general situation of protected vegetable cultivation, types and construction techniques of vegetable production facilities, safe production techniques of protected melon vegetables, protected eggplant and fruit vegetables, protected bean vegetables, protected leafy vegetables, protected bud vegetables and protected edible fungus vegetables.

4)Basis of modern vegetable seedling technology: Introduce the origin and development of modern seedling technology, seed selection and treatment, substrate preparation, seedling bed management, etc.

5)Modern seedling operation and pest control: Introduce the key points in the actual operation process of seedling cultivation, such as sowing irrigation technology, scenery temperature regulation, pest control and seedling growth records.

6)Factory seedling cultivation mode and development: The definition of factory seedling cultivation, application of environmental control technology, factory planting mode and application of harvesting and packaging technology are introduced

7)Soilless Cultivation and Sightseeing Agriculture: analyzes the application of soilless cultivation in China's sightseeing agricultural parks, and deeply summarize the role of sightseeing agricultural parks in improving production efficiency in combination with the natural resource foundation and infrastructure construction of agricultural parks.

8)Application and Promotion of Water-Saving Irrigation New Technologies: by sharing development experience and new technology system, reasonably guide the scientific application and comprehensive management of water-saving irrigation equipment and technology in developing countries, help them make efficient use of and save water resources, and lay the foundation for the development of practical water-saving irrigation agriculture.

9)Intelligent Agriculture and Management Scheme: Based on "Internet +", discuss intelligent agricultural machinery equipment, agricultural UAV equipment, agricultural big data, Internet + agriculture, intelligent agriculture and rural information management, agricultural Internet of things, etc.

10)Construction and Application of Facility agriculture: introduces key technology, development trend and applications of facility agriculture, including greenhouse intelligent management, energy-saving and renewable energy, efficient cultivation, plant factory, etc.

11)Plant Protection technology: introduces plant protection technology and application, including plant disease diagnosis technology, plant pest identification technology, plant disease and pest forecast, pesticide application technology, plant disease and pest integrated management, fruit tree disease and pest control technology, vegetable disease and pest control technology, etc.

12)Development trend of factory seedling industry: Through the case of factory seedling industrial park, introduce the development direction of technology and management system of factory seedling production, and China's policy support and strategic planning in this field.

2. Introduction to the Overall Situation of the Presenter

This training course invites experts and scholars who have been engaged in agricultural machinery, agro-product processing for many years. All of them have senior professional titles or above, with rich practical and research experience. Some of them are listed as follows.

1)Mr. Ma Teng, Senior engineer from CAAMS, is engaged in implementation and management of agricultural projects, international training and trade.

2)Mr. Song Xiaomin, Senior engineer from CAAMS, is engaged in implementation and management of livestock machinery projects, international training and trade.

3)Ms. Lv Chengxu, Researcher from CAAMS, is engaged in research and development of

intelligent system in agricultural field.

4)Mr. Hu Wei, special researcher from National Development and Reform Commission, is engaged in research and development of irrigation system in agricultural field.

5)Mr. Yang Xuejun, researcher of the Chinese Academy of Agricultural Mechanization Sciences, is engaged in research and development of crop protection in agricultural field.

6)Mr. Li Yan, Associated Professor of Shandong Agricultural University, is engaged in research and teaching in the field of Plant Seedling Process.

7)Ms. Hu Chunmei, Associated Professor of Nanjing Agricultural University, is engaged in research and teaching in the field of Plant Seedling Process.

8)Mr. He Chaoxing, researcher of the CAAS, is engaged in research and development of facility agriculture and greenhouse seedling.

9)Ms. Dong Chunjuan, researcher of the CAAS, is engaged in research and development of facility agriculture and greenhouse seedling.

10)Mr. Jiang Weijie, researcher of the CAAS, is engaged in research and development of facility agriculture and greenhouse seedling.

11)Mr. Li Xuejie, researcher of the CAAS, is engaged in research and development of facility agriculture and greenhouse seedling.

12)Ms. Zhang Yan, Professor of China Agricultural University, is engaged in research and teaching in the field of Seeding and Seedling Process.

3. Planned Visiting Activities

This seminar will be combined with various stages of the course content, arranged for trainees to visit the CAAMS Equipment National Engineering Laboratory, the National Agricultural Machinery Quality Supervision and Inspection Center, the National Food Machinery Quality Supervision and Inspection Center, as well as China Agricultural University, the Chinese Academy of Agricultural Sciences related laboratories, related companies and industrial parks etc., theories combined with practical guidance to enhance the professional and technical level of the participants, to help participants to further understand the current situation of the quality and safety of agricultural products inspection technology and the development trend of the future.

4. Requirements for Participants

Participants should prepare a country report on the related topic before the seminar starts. The reports covers not limited to ① basic national conditions: the government's management organization and management of agriculture-related departments, the basic general situation of agriculture; ② Plant seedling status and technical level; ③ planning and strategy of agricultural industry; ④related policies, laws and regulations; ⑤ international cooperation: relevant industries on plant seedling with main cooperating countries, the existing cooperation mode and management, and so on.