Training Course on New Fertilizer Application Technologies for Developing Countries

<table>
<tr><td>Name</td><td colspan="5">Training Course on New Fertilizer Application Technologies for Developing Countries</td></tr>
<tr><td>Organizer</td><td colspan="5">National Agricultural Technology Extension and Service Centre</td></tr>
<tr><td>Time</td><td colspan="2">2024-08-22 -- 2024-09-11</td><td colspan="2">Language for Learning</td><td>English</td></tr>
<tr><td>Invited Countries</td><td colspan="5">The developing countries</td></tr>
<tr><td>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</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</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>Host City</td><td colspan="2">Beijing</td><td>Local Temperature</td><td colspan="2">18℃ ~ 29℃</td></tr>
<tr><td>Cities to visit</td><td colspan="2">Langfang City, Hebei Province;Zhengzhou City,Xinxiang City Henan Province</td><td>Local Temperature</td><td colspan="2">Langfang City：18℃ ~ 29℃
Zhengzhou City：18℃ ~ 29℃
Xinxiang City：18℃ ~ 29℃</td></tr>
<tr><td>Notes</td><td colspan="5"></td></tr>
<tr><td rowspan="5">Contact of the Organizer</td><td colspan="2">Contact Person(s)</td><td colspan="3">Ms.wang shuai</td></tr>
<tr><td colspan="2">Telephone</td><td colspan="3">0086-10-59194514(Ms.wang)</td></tr>
<tr><td colspan="2">Cell</td><td colspan="3">0086-13141309296(Ms.wang)</td></tr>
<tr><td colspan="2">Fax</td><td colspan="3">0086-10-59194538(Ms.wang)</td></tr>
<tr><td colspan="2">E-mail</td><td colspan="3">13141309296@163.com(Ms.wang)</td></tr>
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About the Organizer	National Agricultural Technology Extension and Service Center (NATESC), an agency within the Ministry of Agriculture and Rural Affairs, was created in 1995 by combining the former National Seed Station, National Soil and Fertilizer Station, National Plant Protection Station and National Agricultural Technology Extension Station into a single agency and has 22 divisions. NATESC is responsible for: --introduction, trial, demonstration, and extension of new crop varieties, new inputs, and new technologies in the field of crop cultivation, scientific fertilization, water saving and dry land farming agriculture, pest control, safe use of chemicals, etc --monitoring the crop pests, soil moisture and drought --domestic plant quarantine, regional trials for major crop varieties and registration of non-major crop varieties, supervision and testing of crop seeds and fertilizer quality --implementation of crop production projects, release of information, and formulation and revision of related industry standards --work of National Crop Seed Standardization Technical Committee, National Crop Seed Certification Working Committee Secretariat, National Agricultural Plant Quarantine Pest Appraisal Committee Secretariat, Subcommittee of the National Plant Quarantine Standardization Technical Committee, National Fruit Standardization Committee Secretariat, China Tea Industry Alliance Secretariat, Secretariat of crop production expert advisory groups of Ministry of Agriculture and Rural Affairs, Locust Control Command Office of Ministry of Agriculture and Rural Affairs --international exchange and cooperation in crop production and technology extension --providing guidance to the reform and establishment of the nationwide crop production extension system and undertaking the work of vocational skill identification for crop production --providing guidance to the work of related agricultural associations NATESC is very experienced in implementing China-aid training programs. From 2002 to 2023, NATESC has successfully completed more than 80 seminars and training courses. Totally 2000 participants who came from over 70 countries in Asia, Africa, Europe and Latin America attended the programs. Training subjects included agricultural technology extension system management, seed production and management, balanced fertilization, pest control, water-saving planting, cultivation techniques for crops such as hybrid rice and tropical crops, as well as the application of agricultural biotechnology, etc. NATESC has successfully organized and accomplished all the China-aid international training projects, and won appreciation from participants and related units thanks to the excellent cooperation and full dedication of numerous outstanding experts from NATESC and other agencies.

Seminar Content	The main training courses and their contents are as follows: 1. Overview of China's national conditions and agricultural situation (2 hours): The introduction of China's history, culture and current development, as well as basic information related to agriculture; national reports by each country's trainees on their own national conditions and basic information on agriculture. 2. China's agricultural policies (4 hours): The introduction of China's agricultural laws and regulations, agricultural insurance, agricultural subsidies, poverty alleviation policy and other basic information. 3. China's fertilizer management system (2 hours): The introduction of the development history and status of China's fertilizer management system, achievements, experiences and development direction. 4. Development trend and prospect of new fertilizer industry (6 hours): Focus on the situation of new fertilizer industry in China and the world, and understand the development trend and application prospect of the industry. 5. Scientific fertilization technology (6 hours): The introduction of the development of scientific fertilization technology, achievements, problems encountered, experience and development direction; introduce the composition of water-fertilizer integration system, the main technical modes and application effects. 6. Soil fertilizer industry development and extension system (6 hours): trainees from different countries will introduce the development of soil fertilizer industry and agricultural extension system in their own countries, the development needs of soil fertilizer and the objectives of participating in this training and the problems that need to be solved, and the experts will introduce the promotion system of soil fertilizer industry in China and exchange ideas with each other. 7. Mechanization of new fertilizer technology (2 hours): Introduce the development history and current situation of agricultural mechanization related to new fertilizer technology, methods and modes of agricultural machinery technology promotion, achievements, experiences and development direction. 8. Soil improvement technology (4 hours): The introduction of the development of soil improvement technology in China, technical methods and modes, achievements, experience and development direction; introduce the basic theory, methods and technology of soil testing and formula fertilization, the development and application of soil testing and formula fertilization technology in China. 9. soil, fertilizer and water integrated control technology of greenhouse (4 hours): The introduction of soil, fertilizer and water integrated management technology of greenhouse, including greenhouse environment control system, intelligent water and fertilizer integration technology, environment sensing and data analysis. 10. Application of big data in the fertilizer industry (2 hours): visit grass-roots soil fertilizer stations, introducing the use of the network and big data to carry out scientific fertilization work in agricultural technology promotion mode. 11. Production and application of commercial organic fertilizers (4 hours): The introduction of factory production and application of commercial organic fertilizers, and subsidy measures. Professional practice and field visit content: Visiting 2-3 research and education units related to agriculture (2 days), 4-6 production enterprises related to soil-fertilizer-water integration facilities and plant protection machinery (4 days), 2-4 organic fertilizer accumulation facilities of organic fertilizer production enterprises and small farmers (2 days), and 2-4 grass-roots agricultural technology promotion institutions (2 days). The main visits include greenhouse soil, fertilizer and water integrated management technology, slow and controlled releasing fertilizers, water-soluble fertilizer research and development, production and application, organic fertilizer production enterprises, soil, fertilizer and water integration facilities and agribusiness production and business management model.