

# Training Course on New Fertilization Technology for Developing Countries

## Project Profile

Program	Training Course on New Fertilization Technology for the Developing Countries		
Organizer	Biogas Institute of Ministry of Agriculture and Rural Affairs		
Organizer	The Developing Countries	Language	English
Period	From November 9, 2023 to November 29, 2023	Planned Trainees	30
Invited Country	This training program aims to introduce basic national conditions of China, the current status of new fertilizer application technology in China, as well as the existing problems and solutions, providing reference and guidance for new fertilization technology in the developing countries. Upon completion of the training, trainees are expected to combine the knowledge gained with their own countries' industry situation to propose development recommendations for the corresponding sectors.		
Training Objective	Professional Background	Government officials, technicians and scientific research personnel engaged in new fertilizer technology and management	
	Age	Under 50 for officials at director general's level; Under 45 for officials at or under director's level Under 45 for technical staff	
	Physical 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 Proficiency	Be able to listen, speak, read and write in English	
	Others	Family members or friends shall not follow	
Course Content	The training courses will be delivered in various forms, including lectures, visits, cultural experience, practices. Lecturer will discuss the new fertilizer application technology with trainees. 1. Training Courses and Contents (1) Basic national conditions of China and international cooperation in fighting against the epidemic: This course introduces the main aspects of China's politics, economy, history, culture, foreign policies and other relevant information, as well as China's contributions and achievements in the global fighting against the epidemic. (2) Current status and trend of development of new fertilizer in China: This course introduces the current status of organic fertilizer industry development, problems in the		

	<p>composting industry, development of the composting equipment and summary of the composting industry in China.</p> <p>(3) Organic fertilizer: This course introduces the overview of organic fertilizer, production of organic fertilizer, common organic fertilizer, production and application cases of organic fertilizer.</p> <p>(4) Microbial fertilizers: This course introduces types of microbial fertilizers, effects on soil improvement, and role in crop production.</p> <p>(5) Technology of slow/controlled release fertilizer: This course introduces development of slow/controlled release fertilizer, preparation principles and steps of slow/controlled release fertilizers, and respectively introduces the types and categories of slow/controlled release fertilizers, as well as process, principles and development trend and prospect of stable fertilizers.</p> <p>(6) Plant nutrition diagnosis and fertilization: This course introduces the process of scientific fertilization, fertilization and agricultural ecology, as well as the quality and safety of agricultural products, as well as the application trends of new technologies such as biotechnology, remote sensing and information technology in scientific fertilization.</p> <p>(7) Soil testing formula fertilization: This course introduces background of soil testing formula fertilization, the main work contents, soil testing - formula -fertilizer preparation- fertilizer supply-fertilization guidance, and other achievements of soil testing formula fertilization.</p> <p>(8) Scientific principles of fertilization: This course introduces background of scientific fertilization, basic principles of scientific fertilization, basic basis for scientific fertilization, and measures for improvement of fertilizer utilization rate.</p> <p>(9) Biological organic fertilizer and pest control: This course introduces mechanism of pest control by biological organic fertilizer, production process of biological organic fertilizer and the prospect of biological organic fertilizer.</p> <p>(10) Utilization of biogas fertilizer: This course introduces value of biogas residue and biogas slurry used as fertilizer, the utilization mode of biogas slurry, and the impact of biogas slurry on the environment.</p> <p>2. Visit and Cultural Experience</p> <p>Trainees will visit the Agricultural Technology Development Co., Ltd., Biotechnology Co., Ltd., the Chengdu Research Base of Giant Panda Breeding, the Dujiangyan Irrigation System in Sichuan Province, experiencing the world's natural and cultural heritage and witnessing the development achievements of China's reform and opening-up.</p> <p>3. Professional Practice</p> <p>Trainees will engage in practical operations in the laboratory: preparation of biological organic fertilizer, quality testing of organic fertilizer and preparation of water-soluble fertilizer.</p>		
Venue	Chengdu, Sichuan province	Visited City	Dujiangyan city and Suining city of Sichuan province
Notes	<p>1. Visa: Please confirm that the visa validity period covers from five days before the program starts to five days after the program ends.</p> <p>2. Daily life preparation:</p> <p>(1) Prepare light footwear to facilitate outside visits; formal dress or national dress is</p>		

	<p>required for important activities of the training course.</p> <p>(2) You can carry a small amount of commonly used drugs according to your own situation. It is strictly prohibited to bring prohibited and exceeding the limit of drugs into the country.</p> <p>(3) If you have any needs regarding religious belief, please communicate with the organizer.</p> <p>3. Luggage:</p> <p>(1) Please pay attention to the standard of luggage allowed on flights. The responsibility for excess baggage fees and missed flights caused by baggage disputes shall be borne by the individual.</p> <p>(2) Please confirm whether you need to check your luggage again during the transfer.</p> <p>(3) If the baggage is lost, please register with the airline. When filling in the registration form, please call the contact person of the undertaker to confirm the address of the baggage delivery.</p> <p>4. Missed flights and pick up at the airport:</p> <p>(1) If you cannot leave for China on time or if the flight is delayed during the transfer, please contact the project contact person to update your latest flight status,</p> <p>(2) When the flight has landed and the luggage has been claimed, please wait at the international or domestic arrival exit. BIOMA staff will pick you up at the airport. If anything unusual happens, you can call the project contact person.</p> <p>5. Ticket change: If the ticket is changed without consent or cancelled or changed due to personal reasons, the expenses and liabilities incurred shall be borne by the individual.</p> <p>6. Please contact the program contact person (mobile phone number 0086-18113017201) via WhatsApp before coming to China.</p>
Introduction to the Organizer	<p>Founded in 1979, Chengdu Biogas Institute of Ministry of Agriculture and Rural Affairs (BIOMA) is mainly responsible for the basic and applied research, frontier technology research, major key generic technology research, other public welfare research and the technical extension and trainings in biogas and other rural renewable energy, rural environmental treatment and the cross field of agro-ecological restoration. BIOMA has been committed to actively promoting knowledge dissemination and technology transfer in related fields through trainings, demonstration projects and cooperative research. In 1981, upon the agreement between Chinese government and UNDP, the Asia-Pacific Biogas Research and Training Center (BRTC) in Chengdu of China was established at BIOMA. In 2014, FAO designated BIOMA as “FAO Reference Center for Biogas Research and Training”. In 2021, BIOMA was titled as one of the first “China-Africa Joint Centers for Modern Agrotechnology Exchange, Demonstration &amp; Training” by the Ministry of Foreign Affairs and the Ministry of Agriculture and Rural Affairs.</p> <p>Since its establishment in 1979, BIOMA has held more than 150 international trainings sponsored by the Chinese government and international organizations for more than 4,000 international trainees from over 120 countries. At the same time, entrusted by the</p>

	<p>Chinese government and international organizations, experts from BIOMA have conducted overseas training and demonstration projects in developing countries, actively participated in the introduction and export of agricultural technologies and products, and established long-term cooperative relations with scientific research institutions in Europe, America and other developed areas.</p>
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