Training Course on Pest and Disease Control Technologies for Tropical Crops in Developing Countries

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<tr><td>Program name</td><td colspan="5">Training Course on Pest and Disease Control Technologies for Tropical Crops in Developing Countries</td></tr>
<tr><td>Organized by</td><td colspan="5">Chinese Academy of Tropical Agricultural Sciences</td></tr>
<tr><td>Time</td><td colspan="2">2026-05-20 -- 2026-06-08</td><td>Language used</td><td colspan="2">English</td></tr>
<tr><td>Countries invited</td><td colspan="5">Developing 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">Haikou City, Hainan Province</td><td>Weather conditions</td><td colspan="2">28°C~33°C</td></tr>
<tr><td>Cities to be visited</td><td colspan="2">Haikou City, Hainan Province
Chengmai County, Hainan Province
Danzhou City, Hainan Province
Wanning City, Hainan Province
Sanya City, Hainan Province
Guangzhou City, Guangdong Province
Zhanjiang City, Guangdong Province</td><td>Weather conditions</td><td colspan="2">Haikou City, Hainan Province:28°C~33°C
Chengmai County, Hainan Province:28°C~34°C
Danzhou City, Hainan Province:28°C~34°C
Wanning City, Hainan Province:30°C~34°C
Sanya City, Hainan Province:30°C~34°C
Guangzhou City, Guangdong Province:26°C~32°C
Zhanjiang City, Guangdong Province:26°C~31°C</td></tr>
<tr><td>Remarks</td><td colspan="5">1. Please prepare the discussion materials related to the theme of the program;
2. Please wear formal or traditional ethnic clothing or working uniform to formal activities;
3. Please carry a small amount of common medications;
4. The Chinese side will not provide computers, please bring your own if necessary;
5. It is generally prohibited to alter international flight tickets personally. If necessary, please consult the Economic and Commercial Office of the Chinese embassy in your country to handle the process of flight ticket change;
6. If unexpected circumstances prevent your timely departure, or if your connecting flight is delayed, please contact the Economic and Commercial Office or the contact person of the organizer in a timely manner and inform them of the latest flight information for pick - up arrangements;
7. When transferring flights, please confirm whether you need to recheck your luggage;</td></tr>
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<tr><td></td><td colspan="2">8. After collecting your luggage upon landing, please wait patiently at the international arrival exit or domestic arrival exit. Our staff will pick you up with a sign bearing the name of the organizer. If the wait exceeds 15 minutes, you can contact with the contact person of the organizer by phone;
9. It is recommended to download and register WECHAT in advance.</td></tr>
<tr><td rowspan="6">Contact information of the organizer</td><td>Contact person for the program</td><td>Ms.XUE CHAO, Ms.YOU WEN</td></tr>
<tr><td>Office phone</td><td>0086-898-66962942(Ms.XUE), 0086-898-66962957(Ms.YOU)</td></tr>
<tr><td>Mobile phone</td><td>0086-18976979802(Ms.XUE), 0086-13637660967(Ms.YOU)</td></tr>
<tr><td>Fax</td><td>0086-898-66962904(Ms.XUE), 0086-898-66962904(Ms.YOU)</td></tr>
<tr><td>E-mail</td><td>catasgjhzc@126.com(Ms.XUE),
youwen5711@126.com(Ms.YOU)</td></tr>
<tr><td>Address</td><td>Chinese Academy of Tropical Agricultural Sciences, No. 4 Xueyuan Road, Longhua District, Haikou, Hainan Province, China.</td></tr>
<tr><td>About the Organizer</td><td colspan="2">The Chinese Academy of Tropical Agricultural Sciences (hereinafter referred to as CATAS), affiliated with the Ministry of Agriculture and Rural Affairs of China, is the only national-level comprehensive research institution dedicated to tropical agricultural sciences in China. Established in 1954, CATAS has over more than 70 years of innovation and development, achieved a series of breakthrough results in tropical agriculture. It plays a leading role in three national industrial technology systems including natural rubber, cassava, and banana, and has received nearly 50 national-level science and technology awards, including the First Prize of the National Invention Award and the First Prize of the National Science and Technology Progress Award, as well as over 1,000 provincial- and ministerial-level scientific achievements. CATAS has developed more than 400 improved crop varieties, obtained over 3,500 authorized patents, issued more than 500 national and agricultural industry standards, and developed over 300 scientific and technological products, providing strong technical support for international training programs.
Since 2004, CATAS has organized and implemented 160 international training programs commissioned by international organizations, national ministries, and local governments, with a total of 7,366 participants from 105 countries worldwide trained. Among these, CATAS has undertaken 103 foreign aid training programs commissioned by the Ministry of Commerce, training 3,934 participants. The training covers key areas such as the cultivation and management, plant protection, processing and utilization, and quality and safety testing of major tropical crops, including cassava, natural rubber, tropical fruits and vegetables, tropical flowers, and tropical spices and beverages. These programs have been widely recognized by partner governments and participants, effectively enhancing agricultural production capacity and technological application in relevant countries.
Through long-term practice, CATAS has established a well-developed system for organizing and implementing training programs, along with a comprehensive technical support framework and operational management model, earning recognition from international organizations and national authorities. The Food and Agriculture Organization of the United Nations has designated CATAS as the ‘FAO Reference Center for Tropical Agriculture Research and Training’. It has also been jointly recognized by the Ministry of Foreign Affairs and the Ministry of Agriculture and Rural Affairs as one of the first ‘China-Africa Joint Centers for Modern Agricultural Technology Exchange, Demonstration and Training’, designated by the Ministry of Agriculture and Rural Affairs as ‘Science and Technology Support and Talent Training Base for Agricultural Foreign Cooperation’, and jointly awarded by the Ministry of Commerce and the State Administration for Market Regulation as a ‘Pilot Institution for Overseas Application of Chinese Standards’. In 2025, CATAS received the ‘Global Technical Recognition’from FAO.</td></tr>
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	Since 2014, CATAS has successfully organized more than ten training programs on pest and disease control technologies for major tropical crops. We have accumulated mature experience and systematic technical expertise in curriculum design, faculty organization, and practical training arrangements under this thematic area. The programs have achieved fruitful outcomes and received high praise from participants.
Training content	The project includes thematic lectures, site visits, on-site teaching, cultural experiences, and thematic discussions. 1. Main Training Courses and Content (1)China's National Conditions: Introducing the current situation of China's political, economic, social, cultural, and historical development to the trainees. (2)Sharing China's Poverty Reduction Experience: This module focuses on the major stages of China's agricultural development, policy evolution, specific measures, key lessons learned, and prospects for future cooperation. (3)Precision Identification and Diagnostic Techniques for Major Tropical Crop Pests and Diseases: Focuses on pest and disease species, identification methods, and epidemiological patterns affecting key tropical crops such as cassava, banana, rubber, and tropical fruit trees. (4)Monitoring, Early Warning and Risk Analysis Techniques for Tropical Crop Pests and Diseases: Covers pest and disease survey methods, monitoring data collection and analysis, early warning dissemination mechanisms, and risk assessment technologies. (5)Management Techniques for Major Tropical Crop Pests and Diseases: Presents integrated pest management (IPM) strategies based on ecological regulation, including biological control, physical control, application of resistant varieties, efficacy-enhancing and pesticide-reducing technologies, as well as chemical pesticide reduction and substitution measures. (6)Smart Plant Protection and Digital Application Technologies: Introduces the use of unmanned aerial vehicles (UAVs/drones), Internet of Things monitoring, and digital management platforms in pest and disease control. 2. Exchange and Discussion (1)Explore mechanisms for scientific and technological cooperation in tropical agriculture between China and developing countries; (2)Discuss solutions for the prevention and control of tropical crop pests and diseases. 3. Visiting Cities: Haikou, Chengmai County, Danzhou, Wanning, Ding'an County, and Sanya in Hainan Province; Zhanjiang and Guangzhou in Guangdong Province. The visits and study activities will cover: (1)China's ecological civilization demonstration villages (2)China's tropical agriculture achievements exhibition (3)Tropical agriculture comprehensive demonstration parks (4)Transfer and transformation demonstration zones for tropical agri-tech achievements (5)National modern agricultural industrial parks Overall introduction of the speakers (1)JIANG Changshun: Professor, Party Leadership Group Member of CATAS. (2)YI Kexian: Professor, Environment and Plant Protection Institute (EPPI), CATAS. Research: Fungal diseases and resistance breeding of tropical crops such as sisal, rubber, asparagus, and coffee. (3)CHEN Qing: Professor, EPPI-CATAS. Research: Exploration of insect?resistant germplasm resources and eco?friendly pest management in cassava. (4)HUANG Guixiu: Professor, EPPI-CATAS. Research: Disease surveillance in rubber and cassava, and resistance breeding in tropical crops, including cassava, rubber, and banana. (5)JIN Tao: Professor, EPPI-CATAS. Research: Integrated management and biological control of invasive insect pests, with emphasis on mass rearing and product development of natural enemy parasitoids. (6)LYU Baoqian: Professor, EPPI-CATAS. Research: Invasive species and biological control, particularly insect pests of off-season crops in southern China (e.g., fall armyworm in maize, pests of rice and cowpea) and palm pests such as the coconut leaf beetle, with emphasis on monitoring, early warning, and integrated management strategies. (7)YANG Yang: Associate Professor, EPPI-CATAS. Research: Biological control of plant diseases and elucidation of the pathogenic mechanisms of plant pathogens. (8)LONG Haibo: Associate Professor, EPPI-CATAS. Research: Eco-friendly management of

	nematode diseases in tropical crops, with particular emphasis on tropical winter vegetables. (9)LI Jifeng: Associate Professor, EPPI-CATAS. Research: Integrated pest and disease management in tropical fruits such as banana, mango, and pineapple. 5. Materials to be prepared by the trainees To facilitate communication with Chinese experts, please prepare materials related to the training theme from your country, including: (1) A self-introduction including specialty and organization; (2)An overview of the pest and disease situation affecting tropical agriculture in your country; (3) Key technical needs for eco-friendly pest and disease control in tropical agriculture. etc. Note: Participants are invited to evaluate the quality of the courses. 6. Evaluation 7.Participants will be provided with an evaluation form to assess the overall training program and individual lectures. 8.The cities to be visited may be adjusted according to the actual situation.