



Official Report

The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

14 December 2011 - 14 March 2012, Chiang Mai, Thailand



The International Horticultural Exposition: Royal Flora Ratchaphruek 2011 **14**th **December 2011 - 14**th **March 2012 , Chiang Mai, Thailand**

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- Regulation Exhibition
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Message from H.E. Ms.Yingluck Shinawatra Prime Minister of the Kingdom of Thailand

On behalf of the Royal Thai Government, I wish to extend my congratulations to the dedicated and hardworking officials of the International Horticultural Exposition Royal Flora Ratchaphruek 2011 for successfully organizing the event. I have been informed that the number of visitors exceeded initial expectations and there were participants from 33 countries.

The International Horticultural Exposition Royal Flora Ratchaphruek 2011, an event commemorating His Majesty the King's

84th Birthday Anniversary, was able to show His Majesty's agricultural initiatives for the benefit of both Thais and foreigners. The event was also organized in commemoration of Her Majesty the Queen's 80th Birthday Anniversary and His Royal Highness the Crown Prince's 60th Birthday Anniversary.

Apart from demonstrating the potential of Thai agriculture especially the horticulture sector, this exposition helped bring the beauty of flora and fauna from around the world to Thailand as well as promote tourism in Chiang Mai and nearby provinces. Latest available information indicated that tourist arrivals resulted in approximately 41,500 million baht spent which represents a five percent increase compared to the previous year.

I sincerely hope that the International Horticultural Exposition Royal Flora Ratchaphruek 2011 will be well remembered. Congratulations once again to the organizers.

(Ms.Yingluck Shinawatra)

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Message from H.E. Mr.Chumpol Silpa-archa Deputy Prime Minister and Minister of Tourism and Sports

The Ministry of Tourism and Sports would like to extend our heartfelt to receive the great opportunity to be a part of the organizing committee for the International Horticultural Exposition Royal Flora Ratchaphruek 2011. As a public relations committee, the Ministry of Tourism and Sports took responsible on promoting and inviting both international and domestic tourists to visit the beauty and magnificent gardens, which supported by participating countries, local and government organizations.



The Royal Flora Ratchaphruek 2011 had been arranged to commemorate for His Majesty the King, Her Majesty the Queen and His Royal Highness the Crown Prince. I would like to extend my profound congratulation for an excellent arrangement made by agencies concerned. Even at the beginning of the exposition Thailand just recaptured from worst flood and Chiang Mai, the exposition area, faced the haze problem from wildfire in the northern part of Thailand, the number of the visitors was incredibly over the initial projection, which shown the love and immense loyalty of Thais to their Monarchy.

(Mr.Chumpol Silpa-archa)

Anyol Falgrales.



Message from H.E. Mr.Theera Wongsamut

Minister of Agriculture and Cooperatives

The Royal Thai Government assigned the Ministry of Agriculture and Cooperatives as a sole official organizer of the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 in honor of His Majesty the King. The grand celebration is to commemorate three most auspicious events, His Majesty the King 84th Birthday Anniversary in the year 2011, Her Majesty the Queen 80th Birthday Anniversary in the year 2012 and His Royal Highness the Crown Prince 60th Birthday Anniversary in the year 2012.

Activities within the exposition showed numerous Royal Duties and Royal Project initiated by His Majesty the King, Her Majesty the Queen and His Royal Highness the Crown Prince. Concept of collaboration to mitigate global warming via the use of vegetation and agriculture means to educate the general public could also be witnessed.

More than 4,500 research academics and prominent horticulturists from Thailand and abroad attended the national and international conferences to debate and present their constructive research findings on horticultural development. Valuable experiences and in-depth analysis were widely raised to pave way for progressive cooperation among horticulturists.

The success of The International Horticultural Exposition: Royal Flora Ratchaphruek 2011 was owed to cordial cooperation and continued support from 33 participating countries including more than 40 relevant agencies from private and government sectors. They collectively disseminate substantive information and knowledge to the participants as an expression of loyalty towards the Royal family.

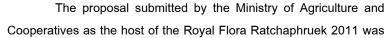
I would like to extend profound thanks to all supporting agencies and organizations especially the AIPH, HSST, DOA, HRDI and TAT in making the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 a success. I hope that Thailand will have a privilege to host an International Horticultural Exposition once again in the near future.

(Mr.Theera Wongsamut)

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Message from Dr.Ananta Dalodom President, Horticultural Science Society of Thailand

The Horticultural Science Society of Thailand (HSST) in collaboration with the Ministry of Agriculture and Cooperatives was approved by AIPH and BIE to host the International Horticultural Exposition: Royal Flora Ratchaphruek 2006. HSST has again taken part in this Royal Flora Ratchaphruek 2011.





to commemorate three auspicious occasions of Thailand; His Majesty King Bhumibol Adulyadej 84th Birthday Anniversary in 2011, Her Majesty Queen Sirikit 80th Birthday Anniversary in 2012 and His Royal Highness Crown Prince Maha Vajiralongkorn 60th Birthday Anniversary in 2012.

For this event, HSST was supported by the Department of Agriculture as a representative of Thailand for the outdoor garden with an area of 500 sq.m. The Garden was decorated with bamboo domes, under the concept of sustainabke living. HSST was awarded the AIPH's Supreme Accolade Prize.

The Horticultural Science Society of Thailand is pleased the Royal Flora Ratchaphruek 2011 was so successful with visitors exceeding the set target. The first concern was a big flood in Thailand which would affect a number of tourists and visitors to the Exposition. However, a great number of visitors, especially the youth made their visits and appreciated the activities of H.M. the King, H.M. Queen Sirikit and H.R.H. Crown Prince Maha Vajiralongkorn, varied arts and cultures, a variety of plants both domestic and oversea and global warming exhibitions set as the theme of this event.

The Horticultural Science Society of Thailand was proud to be part of this Exposition and demonstrated the agricultural and horticultural capability of Thailand to Thai people and foreigners. This indicates that agricultural and horticultural technology of Thailand is at the same level as worldwide countries.

(Dr.Ananta Dalodom)



Message from Dr.Doeke C. Faber President, International Assosiation of Horticultural Producers

The organization of the Royal Flora 2011 has been successfully completed. The Park was of high quality: beautiful trees and shrubs, newly planted flowers and plants; well maintained exhibits and well organised logistics and catering services. It was unfortunate that the opening of the Royal Flora had to be postponed for a month; fortunately, it did not really have a strong impact on both the number of visitors and on the quality of the flowers and plants in the park.

AIPH has been involved from the early beginning of Royal Flora 2006 and has continued to do so till the end of Royal Flora 2011. Why does AIPH do that? Because it beliefs that its objectives-promoting horticulture and enhancing (international) trade-will be realized through holding such exhibitions and that the message of a green Expo is a very powerful one, in a world where sustainability and harmony with Nature have become key concepts. The Royal Flora 2011 did also communicate that message through its theme of Greenitude-the 3G's-as well as the 3R's: Reduce, Re-use and Recycle. These concepts of the 3G's and the 3R's are important messages that have been given to the visitors. It is important that our young generations realize that our society has to live in a sustainable fashion and to live in harmony with Nature.

By fostering international relations and holding international seminars through ISHS, AIPH has also made a contribution to the further development of the horticultural sector in Thailand.

The international gardens were again of high quality: in many cases the concept was well conceived, the plant material was of high quality and the gardens had been well maintained.

Of course, the winner of the AIPH 'green city' award was a show case of how AIPH would like a national garden to be! Innovative in its concept, sustainable in its use of materials, rich in high quality plant material and well structured as regards information and communication. The Horticultural Society of Thailand was a deserving winner of the AIPH Award and also of the Supreme Accolade Prize.

Through the Royal Flora Ratchaphruek 2011, the Ministry of Agriculture and Cooperatives and the Horticultural Society of Thailand have made an excellent contribution to the further development of the horticultural sector in Thailand and at the international level. With the Flag Raising event, the Official Opening with H.R.H Princess Maha Chakri Sirinthorn and the Closing ceremony, the Royal Flora Ratchaphruek 2011 has gotten a lot of media attention. All three events were well organized and beautiful for the eye and the mind.

On behalf of AIPH, I want to thank the Horticultural Society of Thailand-our AIPH member-and the Ministry of Agriculture and Cooperatives for their cooperation and support. More in particular, I would like to thank the Department of Agriculture and its Director General and his staff for their unrelenting enthusiasm and hard work. Without them, the Royal Flora 2011 would not have been so successful.

A.c.

(Dr.Doeke C. Faber)

Message from Prof.lan Warrington International Society for Horticultural Science

The International Society for Horticultural Science (ISHS) would like to congratulate the organisers of Royal Flora Ratchaphruek 2011 for holding an outstanding exhibition.

The ISHS is committed to engaging with the public to convey the importance of horticulture in their daily lives-for food, for health, for relaxation and for creative endeavour. Royal Flora Ratchaphruek 2011, with its focus on magnificent outdoor and indoor gardens, exhibits of biotechnology and the products of plant breeding and displays of sophisticated commercial enterprises that are involved



with horticultural crop production, provided an ideal opportunity to achieve such an engagement. Those attending the exhibition were well entertained and educated. They were impressed and enlightened with what they saw.

The main theme of Royal Flora Ratchaphruek 2011, "Greenitude" with the three G's (Generation, Garden and Greenitude) and three R's (Reuse, Reduce and Recycle) was entirely appropriate to a modern world. A deliberate focus on children and youth to engender a sense of appreciation and responsibility, through opportunities that are typically and uniquely presented in horticulture, was inspired and followed through with displays and interactive activities.

The ISHS was also honoured to be a sponsor of the scientific programme that was run as an integral part of Royal Flora Ratchaphruek. The international symposia on orchids and ornamental plants; medicinal and aromatic plants; papaya; and tropical and subtropical fruits were all very well attended by scientists from many different parts of the world. The papers that were presented were original and informative. It is now our commitment to make sure that the proceedings of each of these symposia become a lasting record through their publication in the journal Acta Horticulturae.

I would like to congratulate the staff of the Ministry of Agriculture and Cooperatives, the Ministry of Agriculture, the Horticultural Science Society of Thailand and the other parties associated with organising this major event, for their management, their commitment and their creative endeavours. You had major challenges to overcome including the postponement of the opening of the event. Nonetheless, you retained your professionalism and delivered an exhibition that was truly worthy of a celebration of the 84th Birthday of His Majesty the King, the 80th Birthday of Her Majesty the Queen and the 60th Birthday of His Royal Highness the Crown Prince.

I would also like to congratulate the Horticultural Science Society of Thailand for being awarded to Supreme Award for the best garden exhibition-this display was absolutely deserving of such recognition.

Congratulations for hosting an outstanding international exhibition!

Yours sincerely,

(Prof.lan Warrington)



Message from Mr.Dean White

Chairman Emeritus, World Flower Council

It is with pleasure, as Chairman Emeritus of World Flower Council International, and on behalf of our International Chairman, Mr. Efren Chatto, of Manila the Philippines, to congratulate and honor the Royal Government of Thailand and all officials involved with Royal Flora Ratchaphruek 2011, for their outstanding event. This international Horticultural Exposition from 14 December 2011 to 14 March 2012, in Chiang Mai, Thailand, was a world-class exposition and a privilege for World Flower council to be a part of.

The Ministry of Agriculture and Cooperatives, the AIPH, the International Association of Horticultural Producers and World Flower Council hosted an International Florist Competition from March 8-12, 2012 in the new Exhibition Hall No.2 at Royal Park Ratchaphruek.

This event was managed and regulated by World Flower Council International, hosted by Mr.Phubast Chesdmethee and judged by five illustrious members of World Flower Council International, from five countries the Philippines, the Netherlands, Australia, Indonesia and Singapore.

This is the first Floral World Competition for Thailand. Many thanks to Royal Flora for this opportunity. This world competition featured 26 contestants from multiple countries and was attended by representatives of 12 countries.

The closing ceremony of Royal Flora Ratchaphruek 2011 was an evening to remember. Ratchaphruek Square was adorned with thousands of lights, ceremonial floats, artists, vocalists and musical performers that created an enchanting evening.

The Chairman of Ceremony, Miss Yingluck Shinawatra, Prime Minister of Thailand, offered a welcome and closing speech. Mr.Theera Wongsamut, Minister of Agriculture and Cooperatives, gave the Reporting Speech, and the Congratulation Speech by Mr.Doeke Faber, President of AIPH. Even the rain added a nice finality, flowers and plants need the rain to flourish!

This was a most memorable event and to witness the growth and maturity of the Royal Park Rajapruek, after having participated at the grand opening in 2006, was a most gratifying experience.

May Royal Park Ratchaphruek, of Chiang Mai, Thailand continue for many years for the pleasure and enjoyment of the masses and for the great admirers of the horticulture world.

With my sincere appreciation,

(Mr.Dean White)

Message from Mr.Efren M. Chatto International Chairman, World Flower Council

Our warmest greetings and felicitations to the Royal Government of Thailand and the Ministry of Agriculture and Cooperatives for the overall success of the Royal Flora Ratchaphruek 2011 International Horticultural Exposition in Chiang Mai, Thailand last December 14, 2011 -March 14, 2012.



The World Flower Council is honoured to be part of this prestigious event, being privileged to help organize the International Floral Competition by World Flower Council last March 7-14, 2012 as one of the final activities of the Royal Flora Ratchaphruek 2011 Exposition.

We wish to thank and acknowledge the support extended by the Ministry of Agriculture and Cooperatives and the Royal Government of Thailand for the success in the implementation of the project.

Our gratitude, too, to Phubast Chesdmethee of WFC Thailand, for his initiative, exceptional creativity, and utmost dedication in the coordination, planning and implementation of the event, as well as to the members of World Flower Council who came from different countries, and participated either as members of the board of judges, as participants to the competition and as visitors and supporters to the event.

Thank you and congratulations!

(Mr.Efren M. Chatto)





EXECUTIVE SUMMARY

Background

Regarding the cabinet's approval on 22 August 2008, the Ministry of Agriculture and Cooperatives in conjunction with the Horticultural Science Society of Thailand agreed to propose Thailand as the host of the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 as A2/B1 Category to the International Association of Horticultural Producers (AIPH).

On 2 September 2008, the cabinet assigned the Ministry of Agriculture and Cooperatives to organize the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 at the Royal Park Rajapruek, Mae Hia, Chiang Mai, on the area of 470 rai or 80 hectares during 9 November 2011-15 February 2012.

On 15 September 2009, AIPH approved Thailand to organize the event. On 8 February 2011, the Ministry of Agriculture and Cooperatives assigned the Department of Agriculture to be responsible for this event in collaboration with the Highland Research and Development Institute (Public Organization).

During September-November 2011, severe flooding occurred and extensively affected large areas in central Thailand including Bangkok and surrounding provinces. According to the Cabinet resolution on 1 November 2012, the event was postponed from 9 November 2011-15 February 2012 (99 Days) to 14 December 2011-14 March 2012 (92 Days).



Objectives of the Exposition

- 1. To commemorate the three auspicious occasions; H.M. King Bhumibol Adulyadej 84th Birthday Anniversary in 2011, H.M. Queen Sirikit 80th Birthday Anniversary in 2012 and H.R.H. Crown Prince Maha Vajiralongkorn 60th Birthday Anniversary in 2012.
- 2. To disseminate the achievements in agriculture from the projects initiated by H.M. the King, H.M. the Queen and H.R.H. the Crown Prince.
- 3. To promote the importance of horticultural technology and its contributions to the reduction of global warming under the theme of "Greenitude: Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life" and under the principles of 3Gs (Greenery, Garden and Generation) and 3Rs (Reuse, Reduce and Recycle).
- 4. To demonstrate the potential of Thai horticulture including the exchange of technology among academics and researchers.



Exposition Zones

- **1. The Royal Pavilion:** Displayed H.M. King Bhumibol Adulyadej's bibliography and his activities as well as some royal initiated projects under the Ministry of Agriculture and Cooperatives.
- 2. The King's Commemorative Gardens: Featured international gardens from 31 countries and 2 international corporate gardens. In addition, there were 23 gardens from the public and private sectors of Thailand.
- **3. Thai Tropical Gardens:** Displayed the diversity of Thai tropical horticultural plants, such as orchids, herbs and medicinal plants, lotus and water lily.

4. Expo Center

- **4.1 The permanent exhibition hall:** Consisted of an exhibition area to commemorate the three most auspicious occasions, a VIP Reception Room and offices.
- **4.2** The temporary exhibition halls: These halls were divided into Hall 1 and Hall 2 for displaying the activities throughout 92 days, including the international competitions and exhibition activities.



4.3 Other Special Attractions:

- 4.3.1 The Amphitheater and Music Theater presented international cultural performances from the participating countries and musical performances from several organizations.
- 4.3.2 The Ratchaphruek Square was the location for the Electric Parade.
- 4.3.3 The Ratchaphruek Lake was the location for the water curtain performance.
- 4.4.4 The Imagination Light Garden was the area beautifully decorated with millions of light bulbs using the power from solar cells for the visitors to applicate the beauty of the garden at night.
- 4.4.5 Kid's Eco Park was arranged to entertain and encourage children to learn from various exhibits.
- 4.4.6 The Giant Flora Wheel: The 42-m giant flora wheel allowed the visitors to experience the bird's eye view of the entire exposition area.
- **4.4 Services and Facilities:** The Expo Service Center was arranged to provide services and information.

The Flag Raising, Opening and Closing Ceremonies



The Flag-Raising Ceremony: On 14 December 2011, H.E. Mr.Chumpol Silpa-Archa, Deputy Prime Minister and the Minister of Tourism and Sports, presided over the Flag-Raising Ceremony. Flags of the AIPH, Thailand and all participating countries were raised in front of the Chang Kham gate.

The Opening Ceremony: On 14 January 2012, H.M. the King designated H.R.H. Princess Maha Chakri Sirindhorn to preside over the Official Opening Ceremony of the Royal Flora Ratchaphruek 2011 at the Royal Pavilion.

The Closing Ceremony: On 14 March 2012, H.E. Mr.Chumpol Silpa-Archa, Deputy Prime Minister and Minister of Tourism and Sports, presided over the Closing Ceremony of the Royal Flora Ratchaphruek 2011 at the Ratchaphruek Square.





Conferences

A total of 21 conferences, 14 international and 7 national, were organized.

Horticultural Competition

Throughout the 13 weeks of this event, there were 18 categories of competition, such as international outdoor and indoor gardens, cut flowers, ornamental plants, foliage plants, orchids, gardens, vegetables, mushrooms, fruits, tea and coffee quality, etc.

Visit of Dignitaries

The Royal Flora Ratchaphruek 2011 had the privilege to welcome four members of the Thai Royal Family and eight other dignitaries.

Advantages in Organizing the Exposition

A large number of visitors had an opportunity to pay homage to the Monarch. The benevolence of the Royal family towards all Thai people impressed the visitors through exhibitions related to the royal activities and other royal initiated projects.

Impacts of 3Gs and 3Rs

The situation of global warming urged the organizer of the Royal Flora Ratchaphruek 2011 to focus on organizing exhibitions under the theme: "Greenitude: Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life". The people were encouraged to use natural resources wisely and effectively by reusing, reducing and recycling them. Additionally, horticultural technologies contributed to the reduction of global warming under the principles of 3Gs (Greenery, Garden and Generation) and 3Rs (Reuse, Reduce and Recycle) were emphasized.













The International Horticultural Exposition: Royal Flora Ratchaphruek 2011



International relationship

The relationship among the paticipating countries was strengthened through the cooperation in garden arrangement and cultural performances. The participating countries also donated their gardens to the Thai government as tokens of appreciation.

Capability of Thailand to organize a world-class exposition

The Royal Flora Ratchaphruek 2011 portrayed the beautiful landscape architecture and diversity of horticultural plants. The plants were maintained in good conditions throughout the event. There were 31 countries participated in this exposition, which demonstrated that Thailand had capability to host a world-class exposition.





Opportunity to develop horticultural knowledge center

More than three millions of tropical plants with diverse species were collected and displayed at The Royal Flora Ratchaphruek 2011. Advanced technology for horticultural crop production, post-harvest handling technologies and food processing of high international standards were displayed to provide knowledge for the visitors. The exposition area will be developed into a comprehensive learning and research center on agriculture for the benefits of all people, not only academics and students, but also farmers and general publics.

Exchange of horticultural knowledge

The International Symposia organized during the Royal Flora Ratchaphruek 2011 hosted more than 4,500 participants. These symposia presented a forum for academics and researchers to exchange their knowledge and experiences on horticulture.

Economic gains

The Royal Flora Ratchaphruek 2011 enhanced tourism business of Chiang Mai after the severe flood in Thailand. There were appoximately 2 million tourists visited Chiang Mai during the event which was 50 percent increase compared to the same period of the previous year. As a consequence, Chiang Mai gain 5 percent more of provincial revenue from tourism-business.

Utilization of the Royal Agricultural Research Center

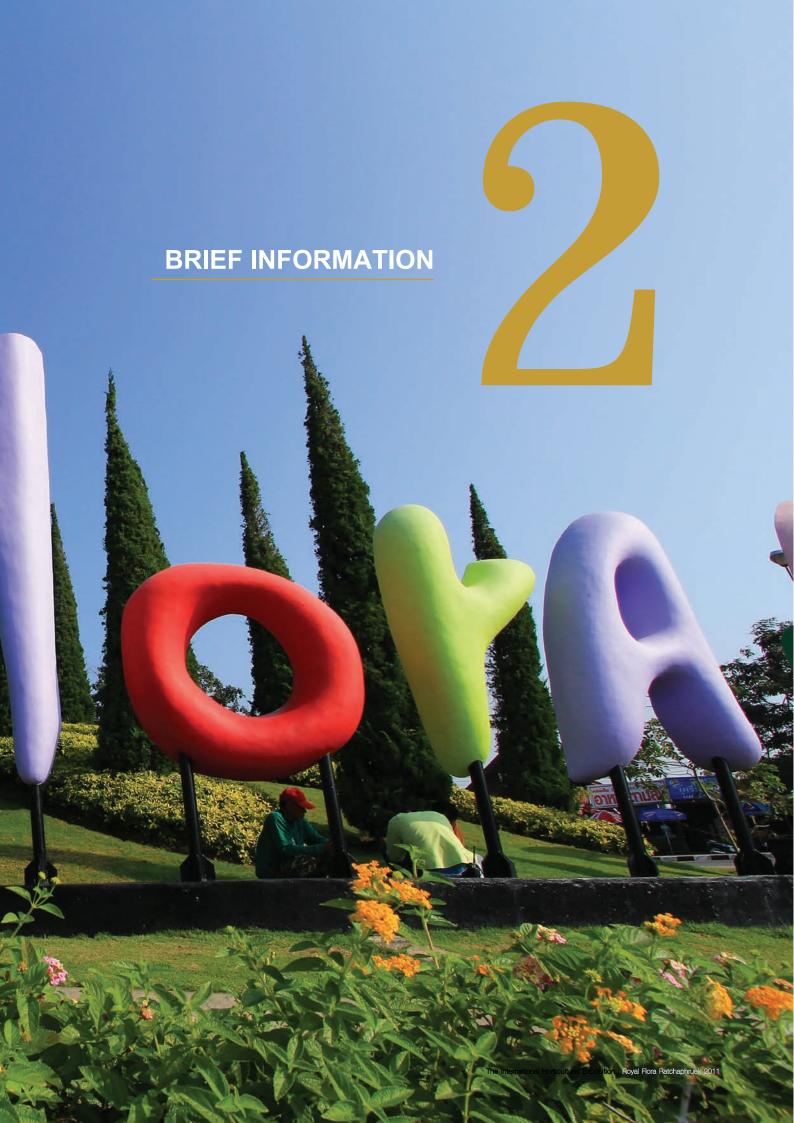
The Royal Agricultural Research Center is managed by the Highland Research and Development Institute (Public Organization). The Center had been used as the exposition area for the grand event, The Royal Flora Ratchaphruek 2006. The Royal Flora Ratchaphruek 2011 was the second grand event in this area. For the preparation of this event, more constructions including infrastructure and numerous kinds of plants were established. These facilities will bring this place to be a learning center of horticulture and Thai traditional culture for all people.













Title:

The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

Background:

On the accomplishment of The Royal Flora Ratchaphruek 2006, the Horticultural Science Society of Thailand proposed the Department of Agriculture to coorganize the International Horticultural Exposition in 2011. The Department of Agriculture forwarded this proposal to the Ministry of Agriculture and Cooperatives to seek approval from the Cabinet. On 2 September 2008, the Cabinet approved the proposal and assigned the Ministry of Agriculture and Cooperatives to propose the AIPH for hosting the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 under the category of A2/B1 at the Royal Park Rajapruek, Mae Hia, Chiang Mai, in the area of 470 rai or 80 hectares during 9 November 2011-15 February 2012.



On 15 September 2009, AIPH approved Thailand to organize the event. On 8 February 2010, the Ministry of Agriculture and Cooperatives assigned the Department of Agriculture to be responsible for this event. The Department of Agriculture, by the Horticultural Research Institute, cooperated with the Highland Research and Development Institute (Public Organization), the Horticultural Science Society of Thailand, etc. to organize the International Horticultural Exposition.

During September-November 2011, severe floods covered large areas of central Thailand, including Bangkok and surrounding provinces. As a result, the Cabinet postponed the Exposition from 9 November 2011-15 February 2012 (99 Days) to 14 December 2011-14 March 2012 (92 Days).

Objectives:

- To commemorate the three most auspicious occasions as follows:
 - H.M. King Bhumibol Adulyadej 84th Birthday Anniversary in 2011.
 - H.M. Queen Sirikit 80th Birthday Anniversary in 2012.
 - H.R.H. Crown Prince Maha Vajiralongkorn 60th Birthday Anniversary in 2012.



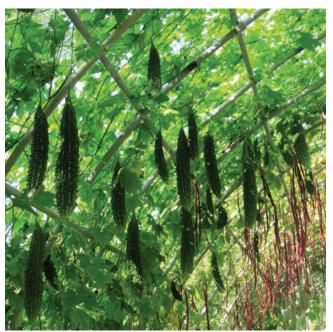




- To publicize the achievements of H.M. King Bhumibol Adulyadej, H.M. Queen Sirikit and H.R.H. Crown Prince Maha Vajiralongkorn in agriculture through their initiated projects.
- To show and demonstrate how to reduce global warming by horticulture.
- 4. To demonstrate the potentials in developing Thai horticulture and to exchange knowledge and technology in horticulture at the national and global scale.
- 5. To encourage the participation in economic development, social and cultural conservation at the national and international levels. At the same time, the country's economy for import-export businesses of agricultural products, tourism and hospitality and others will be similarly encouraged.

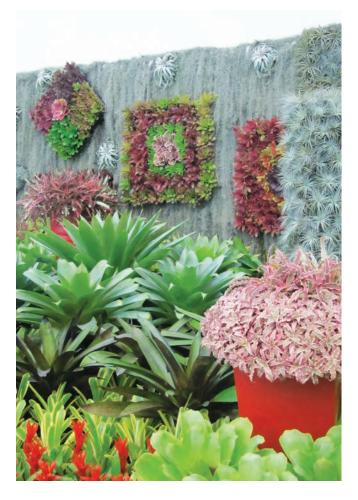
Theme

Greenitude: "Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life", emphasizing horticultural technology under the principles of 3Gs and 3Rs.









3Gs: Greenery/Garden/Generation

To instill the attitude, towards sustainable greenery and gardening from generation to generation through the exploration and learning at Royal Flora Ratchaphruek 2011, into the people's mind.



To raise the awareness of the reduction of unrenewable natural resources through the reuse, reduce and recycle as a call for managing and maximizing the value of resources.







Mascots: There are five mascots comprising

Nong Khun, Lom Bin, Din Cham, Nam Sai and Ai Un.



Nong Khun

Cheerful and energetic, representing a new generation of conservationists having good attitude towards the conservation of natural resources, agriculture, the world and environment.



Lom Bin

Diligent, active, joyful, bringing happiness to everyone.



Din Cham

Strong, kind, generous, providing useful minerals and being a dependable source to others.



Nam Sai (Din Cham's buddy)

Gentle, kind, generous and helpful creating freshness for plants.



Ai Un

Charming, amiable and a good leader taking care of everyone consistently and punctually.

Logo: "Ratchaphruek" flower, with five yellow petals and the stamens resembling the Thai numeral 9 (%) indicating the Ninth Reign of the Chakri Dynasty.

"Six Flowers" symbolizes the power of peoples from six continents of the world which harmoniously unite in this event.

Location: Royal Agricultural Research Center, Mae Hia Sub-district, Mueang District, Chiang Mai.

Duration: During 14 December 2011-14 March 2012, a total of 92 Days.

Opening hours: Daily from 9 am to 9 pm on weekdays and 9 am to 10 pm on weekends and public holidays.

Area: 470 rai or 80 hectares

AIPH Category: A2/B1

Recognized by: International Association of Horticultural Producers (AIPH)

Supporter: International Society for Horticultural Science (ISHS)

Host: Royal Thai Government

Organizer:

Ministry of Agriculture and Cooperatives
Department of Agriculture
Highland Research and Development Institute
(Public Organization)
Horticultural Science Society of Thailand (HSST)

Budget: Baht 836,726,321.96

Participating countries: 31 countries/2 international

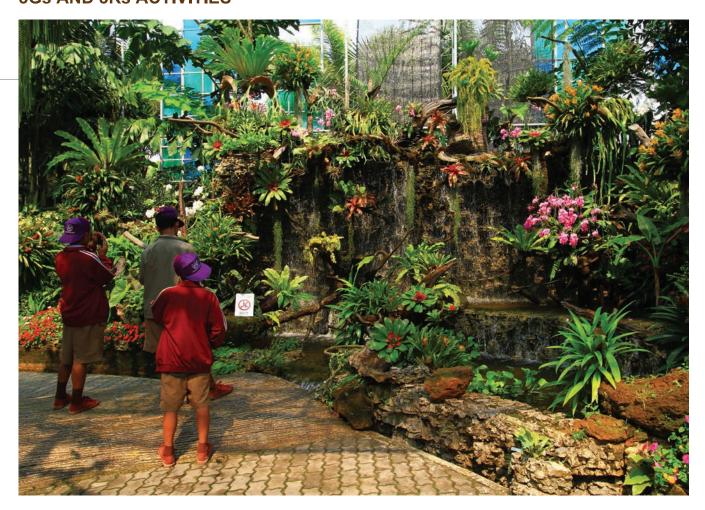
organizations

Number of visitors: 2,237,555 persons





3Gs AND 3Rs ACTIVITIES



To correspond with 3Gs and 3Rs, the "Greenitude: Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life" was raised as the theme of this event.

'Greenitude' a combination of two words, "Green" and "Attitude" refers to green attitude. Greenitude was viewed as people's conceptualization towards their actions which possibly put an impact upon the environment, either by eating habits, garbage management or water usage. Misbehavior of these actions may adversely affected the environment. Accordingly, Greenitude was implemented to encouraged people to effectively utilize and conserve natural resources.

The 3Gs: To instill the attitude, towards sustainable greenery and gardening from generation to generation through the exploration and learning at Royal Flora Ratchaphruek 2011, into the people's mind. Activities reflecting the principles of 3Gs were as follows:

The Shaded Paradise displayed a diverse genus of bromeliad, one of the four ornamental plants which had high efficiency to decrease or absorb pollutants from nearby environment.

The Ornamental Plant Exhibition displayed numerous kinds of ornamental plants that reduced global warming and toxic substances. These plants were decorated around the display house. The exhibition aimed to provide the valuable to the visitors.

The 3Rs: To raise the awareness of the reduction of unrenewable natural resources through the reuse, reduce and recycle as a call for managing and maximizing the value of resources. The activities related to this concept were categorized as follows:

Reuse: The display area was decorated with furniture, made of used paper, from the INFO SAFE Project.

Reduce: The landscaping fully adopted reducing and increasing concepts. The reducing covered reducing carbon dioxide, energy consumption, water usage and garbage. The increasing refer to increasing happiness and green spaces for work, satisfaction of employees and business partners, opportunity for social activities and social responsibility network among employees.

Recycle: It showed the vegetables and herbs grown in containers made from used materials, such as PET bottle, old tyres, etc.











The exhibition area fully adopted the concepts of 3Gs and 3Rs.

Exhibitions included:

- Earthen house aims to demonstrate the concept of energy saving and simplicity.
- Green city combines natural lifestyle with technology and urban living.All types of building in the city were designed to cousumed less energy.Public space and verticalgardens with vast collection of plants were in corporated into the structure.
- Making use of the wastes, such as balcony decorated with bottles, waterfall created from tyres and garden on roof.

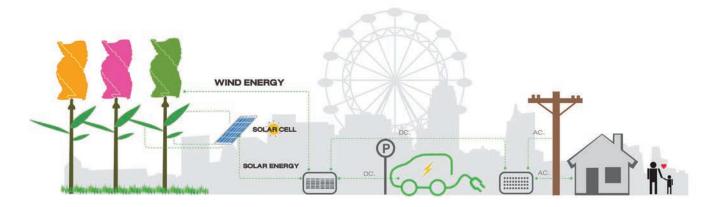








● A power-generating tree, consists of an advanced vertical-axis windmill and 3 photo-voltaic solar panels, is an alternative energy source. Visitors can appreciate such an environmental-friendly product specifically designed to suit Thailand's strong sunlight and low wind. Working system of power-generating tree obtains energy through the conversion of wind movements and sunlight into electricity, which is charged into a system of batteries for later use.









EXHIBITION AREAS

4.1 The Royal Pavilion

The Royal Pavilion or Ho Kham Luang is the most distinctive structure of the Royal Flora Ratchaphruek 2011. Built in the Lanna style, the 2-storey wooden and stucco motif pavilion covered the area of 6,576 sq.m. The architectural motifs were the base of the lower part while teak wood and rosewood were key materials of the upper storey, portraying the exquisite grandeur and grace of Lanna. Those artisans were carefully selected from each of the districts of Chiang Mai, Chiang Rai, Lampang, Lamphun, Phrae, and Nan provinces. The structure composed of:

Wihan Sot, with the swooping multi-tiered roof tiles as the main feature of the ancient pavilion, signified its importance as the residence of the King or city rulers. The entire support was built without a single nail, only pyramid-shape wooden bolt called "Ma Tang Mai" as in the traditional building.

Cho Fa, a bird-like decoration placed on the ends of the pavilion roof, took the form of the pointed-beak, Nok Karawek (a mythical Thai bird).

The Nakkhathan or **Kanthuai** (curved roof-ends) are curved in the shapes of Hassadi Link (a great elephant bird), Hanuman, Naga, and elephant.

Na ban referred to the triangle shaped roof built by Chang Sip Mu (10 groups of artisans) in the glory of the traditional Lanna style.

Sum Pratu or the arched entrance of the front and both sides were beautifully carved and adorned with golden leaves. The rabbit on the door facades symbolized the Thai zodiac birth year of H.M. the King.

In addition, many decorative elements around the Royal Pavilion included the Prasat Fueng Khomfai, a castle-like sculpture representing "the Glory of Light", the Phum Mo Dok, a northern style decorative arrangement showing loyalty, and two sculptured giants as well as lions, Naga and elephants positioned as guards of the pavilion. Along the pathway to the Royal Pavilion, two guardian angels were positioned above each of the 36 arches.



The upper floor of the Royal Pavilion

In honor of the H.M. the King, the Royal Benevolence Tree or the "Boromphothisomphan Tree", the center of attraction, was located within the Royal Pavilion. Designed by Assist. Professor Preecha Taothong from the Faculty of Fine Arts and Graphic Designs, Silpakorn University, the Royal Benevolence Tree signified the 60th Year of His Majesty's reign (21,915 days) in 2006 whereas nine lotus clusters consisting of 2,435 Bodhi leaves, each represented the 9th Reign. Moreover, the mural paintings on this floor honor H.M. the King's well recognized role as the Development Monarch in agriculture, natural resources and environment. The paintings illustrate His Majesty's subjects' way of life and His tirelessly efforts in developing sustainable agriculture for Thai people throughout his reign. The exhibition aimed to present His Majesty's wisdom and knowledge on the development of soil, water, forest, human resource, and environment through his initiated projects. The mural paintings were created with the technique of "Long Rak Pit Thong Kammalor", a process of color painting in which red and grey-color lacquer and gold leaves were used. The word "Kammalor" in Thai referred to the color painting on the lacquer and gold leaves, regarded as a beautiful and outstanding feature among the Suwannabhumi artisans.

Moreover, there was a display of 71 coins marking important commemorative events and occasions, such as the 7th Cycle Birthday Anniversary on 5 December 2011, and the 60th Year of His Majesty's Reign.













The lower floor of the Royal Pavilion

Exhibitions for the King were divided into 6 zones as follows:

- **1. The biography of H.M. the King:** The biography of H.M. the King, ranged from his birth to his accession to the throne, was presented through photographs.
- 2. Happiness lead to good quality work: A collection of H.M. the King's photographs, showing numerous activities including his childhood's recreational activities which later brought him an inspiration to initiate several royal projects, were displayed. His Majesty's speeches concerning the benefit of his recreational activities were also exhibited along with the replicas of his invented items to inspire the visitors to follow his footsteps. On the wall, pictures of Phra Mahachanok and Manee Mekhala, two main characters from Phra Mahachanok Story, found on the King's New Year greeting card in 1999, were displayed. The recording of the King's speech on the perseverance was also played.

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2.1 The King's mastery in arts:

- The touch screen computer displayed 102 paintings of H.M. the King.
- •Two pieces of sculptures, H.M. Queen Sirikit and a naked woman in the kneeling position, were displayed using a special 3D-image technique.
- •The 48 Royal compositions in various arrangements, showing the King 's talent in music, were played.
- Photographs and stories, showing the King's talent in architecture and decorative arts, were displayed.
- A collection of photographs, taken by H.M. the King, were exhibited showing his skill in photography.



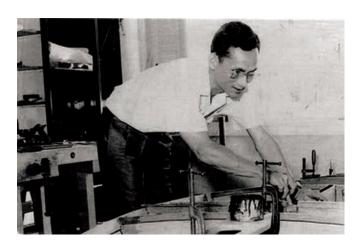






- **2.2 The King's talent in management:** Three major foundations initiated by H.M. the King were presented showing his talent in management. The foundations are as follows:
- Anandha Mahidol Foundation for human resources development.
 - Rajaprajanugroh Foundation for natural disasters reliefs
- Chaipattana Foundation for research on life quality improvement of people and support for the public administration.

2.3 The King's talent in invention: Invention has been His Majesty's interest since his early childhood. He invented his own toys, such as models of a battle ship and a glider. Upon his accession to the throne, H.M. the King initiated and supported invention of numerous items for the country's development, in particular Chaipattana aerators and waste water treatment systems. His Majesty also designed and built several sailing boats. "Mod" is the one, he sailed to compete in the SEAP Game 1967 and its model was displayed. As a result, the International Federation of Inventors' Association (IFIA) presented its Genius Medal Award to honor his outstanding inventions, recognized as "Father of the World's Invention".





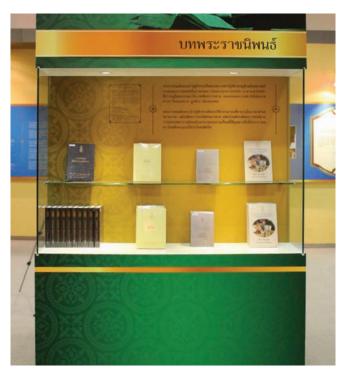


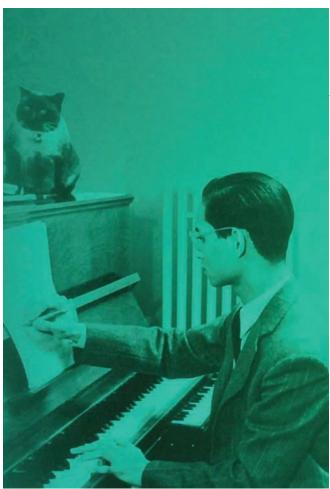


2.4 The King's talent in sports: The King's Mother, H.R.H. Princess Srinagarindra, encouraged and supported H.M. the King to play sports since his childhood. As a result, H.M. the King mastered several types of sports, namely, hockey, boat sailing, ice skate, ski and golf. He joined the Thai boat sailing team with H.R.H. Princess Ubolrattana, winning the gold medal of the OK class boat sailing competition on December 10, 1967.

- **3. The King's speeches and drawings:** The presentation of the King's speeches and drawings of Phra Mahachanok, highlighting his perseverance for his people, were displayed with light and sound effects.
- **4. Royal Development Study Centers:** The establishment and administration of six Royal Development Study Centers initiated by the King were exhibited. These centers are responsible for studies, experiments, research and development suitable for geographical and social factors of each area, allowing visitors to adopt and adapt to their situation.
- **5. Videos to honor H.M. the King:** The memorable videos to honor H.M. the King were displayed through his 43^{rd} composition, The Impossible Dream, sung by well-known singer Santi Lunphe.









6. Videos of H.M. the King photographs: The videos of His Majesty photographs, mailed in by people under the project of "Post Box of Loyalty", were played.



4.2 Exhibition Hall: Exhibitions to Honor the Three Members of the Royal Family

Theme: Follow the King's footsteps...agriculture for sustainable living

The exhibitions, reflecting H.M. the King, H.M. Queen Sirikit and H.R.H. Crown Prince Vajiralongkorn endeavor in improving Thai people's quality of life through agriculture, were divided into 5 zones as follows:



Zone 1: "Beneath the King's Benevolence"

The exhibition presented the development concept of H.M. the King through "study, research and experiment" along with slides and videos of the King's activities relating to agricultural development.

Zone 2: "Follow Our Royal Father's Footsteps"

A display featuring the King's sustainable development was played through the 360-degree Panoramic Magic Virtual. This technology, held in Thailand for the first time, was an innovation of mixed media technology, including light, surround sound system and the encircling screen, created virtual viewing experiences to the audiences. The display traced the audiences back into periods of Thailand's development throuh the royal initiated projects. The displays had 5 acts as follows:

Act 1: Environmental Crisis

It focused on man-made disasters and raised a question: Were humans creators or destroyers? More importantly, it suggested some viable solutions for sustainable living.

Act 2: Agriculture for Sustainable Living

It displayed a number of Royal initiated projects which lead to the development og thai agriculture.





Act 3: Forest, Water and People

It fostered people to live in harmony with nature. The concept was initiated by H.M. Queen Sirikit who encouraged government officials to practice and disseminate to people.

Act 4: Application and Development

H.R.H. Crown Prince Vajiralongkorn followed his father footsteps by endorsing agriculture development guidelines. These guidelines were applied to the urban people who prefer simple and sustainable living.

Act 5: Glory of the King and the Royal Family

It presented agricultural development projects initiated by H.M. the King and the Royal Family. The projects brought the happiness to Thai people and improved their life quality. At the end of the performance, the candles were lit by the actors/actresses to present their faith and loyalty to the King and the Royal Family.

Zone 3: "Community of Sufficiency Economy"

The exhibition demonstrated the agricultural models of the Royal Family's initiatives. The projects were:

- Huai Hong Khrai Royal Development Study Center
- Khung Krabaen Bay Royal Development Study Center
- Phuparn Royal Development Study Center
- Pikun Thong Royal Development Center
- Pasak River Basin Royal Development Project
- Chaipattana-Mae Fah Luang Reforestation Project

Zone 4: "Praises for the King"

Thai people sent their well wishes and showed their faith and loyalty through the loyaly tree which was decorated with 499,999 crystals. The activities marked the promises of the people to adopt the King's teaching for their daily life.

Zone 5: "H.M. Blues"

It showed the talent of H.M. the King in Jazz music through his compositions. The Jazz music was performed daily by leading musicians of Chiang Mai and performed together with the band on holidays and weekends.









4.3 GARDENS FOR THE KING

4.3.1 International Gardens

The international gardens were collaboratively organized by 26 participating countries and 4 organizations, a total of 30 gardens. New additional participants were South Korea, Canada, Russia, Pakistan, Horticultural Science Society of Thailand, Thai Air Asia Co.,Ltd and International Association of Horticultural Producers (AIPH). The theme of the exposition was "Greenitude: To Save the Planet Earth and Improve the Quality of Life", focusing on an awareness of the environment and global warming with an appreciation of identities, cultures, and lifestyles of each country.



Belgium

Belgian Garden portrayed the long relationship between Thailand and Belgium through a combination of materials from both countries especially designed by a world-renown florist, Daniel Ost. The 10-m floral cone resting on the wavy artificial grass lawn was the highlight of this garden. The inner space was beautifully decorated with diverse species of bromeliads formed into concentric colors of the Belgian flag of black, red and yellow. The deepest core of the cone was black, symbolizing the "unknown future".











Bangladesh

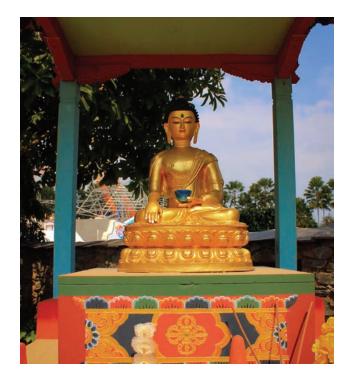
Bangladesh Garden showed its predominant Muslim nation and landscape through a replica of the National Monument called "Jatiyo Smriti Soudho", a reflection of bravery, with its national flower, the white water lily.





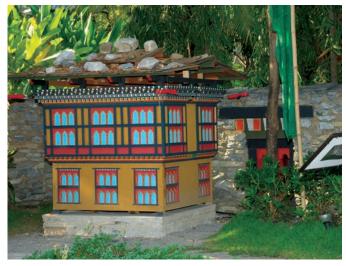
Bhutan

Bhutan Garden was distinctively redecorated through a replica of the national symbols, such as 1) Raven, the national bird and typical symbol decorated on the King's hat. 2) Blue poppy as the national flower found only on the high mountainous ranges. 3)Takin, the national wild animal similar to goat and found only on the Himalayan mountain. In the garden was located the enshrined Phra Si Sakkaya Muni Buddha Image from Bhutan for all worshippers. The replicas of the pagoda and typical Bhutan house, as well as Bhutan herb such as codyceps or Thang Chao, were displayes.









The International Horticultural Exposition: Royal Flora Ratchaphruek 2011



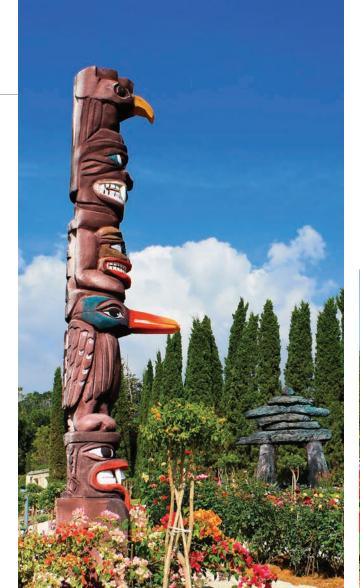


Cambodia

Cambodian Garden displayed a large picture of Ankor Wat, one of the UNESCO world heritages. The eaglewood trees, claimed as the national tree were found in the garden as well as the arch decorated with Apsara goddess figures.









Canada (represented by Thai-Canadian Association)

Canadian Garden held exhibitions under the replica of Niagara Falls The flowing waterfalls and a variety of shady plants brought the freshness to visitors. Other highlights included Inukshuk, an ancient sculpture representing human figures and Totem or Totem pole, a monumental sculpture carved from large trees usually found in Canada and the United States of America.



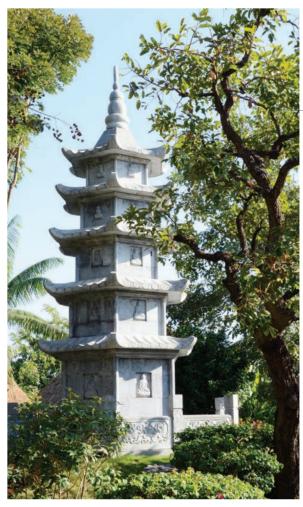




China

Chinese Garden presented the Tang dynasty garden during the period when Buddhism was dominant. The visitors would appreciate a Chinese-style house and pagoda. Pi Xiu figures were placed at the entrance of the house to expel evils, according to the traditional belief. In addition, weeping willow, fragrant olive, bamboo, peach and rhododendron were also found in the garden.













India

Indian Garden featured a Bodhi tree and Sal of India as well as replicas of three Hindu gods and goddesses for worshipping. A number of medicinal plants and herbs were added to the herb garden to represent the sufficiency economy policy and god offerings in Hinduism.









Indonesia

Indonesian Garden highlighted "the beauty of diversity", a presentation of beautiful natural surroundings and cultures from different regions of the country i.e. outstanding architectures of Java, Bali, and West Sumatra. The Sal of Indonesia and fragrance of jasmine flowers, the national flower, impressed on the visitors.











lran

Iranian garden displayed a replica of the mausoleum of their beloved poet, Divan Hafez symbolizing eternity. The garden also showed their typical crops: dates, oranges and grapes along with beautiful flowers to build up a sense of peacefulness and serenity.







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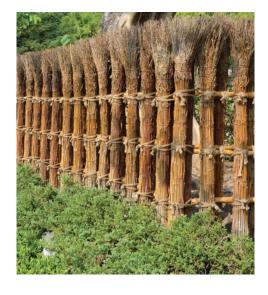


Japan

Japanese garden named "Garden of Good Fortune" showed Japanese landscape. There was a replica of Kiritani island in the shape of a turtle, symbolizing longevity and another island in the shape of a crane, symbolizing good fortune. The highlight of this garden was the grand Mount Fuji with a stone bearing the inscription in Japanese "To Know Sufficiency" which supported H.M. the King's Sufficiency Economy philosophy. The Ohga Hasu lotus grown from a 2,000-year-old seed, displayed only at the Imperial Palace and Tokyo University, was another attraction of this garden. The garden was blessed with beautiful yellow chrysanthemum flowers.







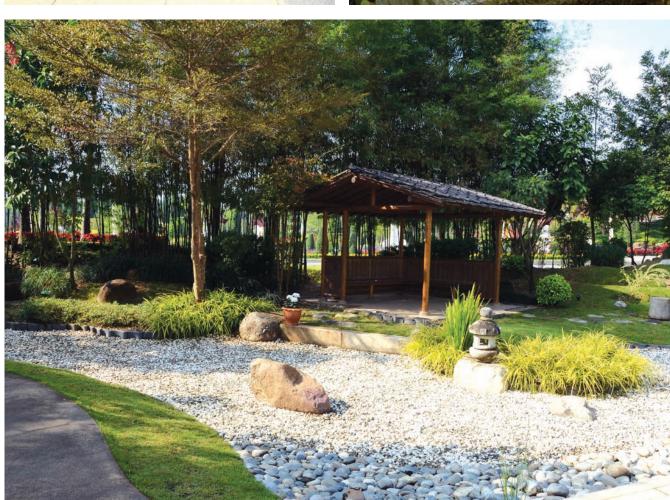




Hyogo/Osaka/Kyoto of Japan

A special attraction for visitors was the "Kansai" style garden with Karesansui landscape along with bamboo fence, stepping stones and a stone garden. The garden reflected the scene from the thriving port city of Osaka, the calmness of Kyoto and the long walkway from the house called Machiya, representing Hyogo.





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Kenya

Kenyan Garden represented the African style garden distinctively decorated with natural plants, local grasses of Kenya and medicinal plants found in Kenya, such as giant drumstick tree, baobab and agave. This garden showed a typical scene of tropical savannas in Africa.







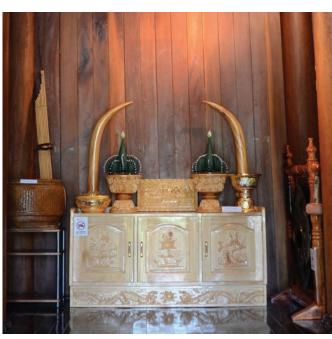






Laos People Democratic Republic

Laos Garden showed the replicas of the "Golden City Temple", a charm of the Lan Chang architecture of Luang Prabang and Khon Pha Pheng Waterfall. Additional attractions included displays of the expensive national trees of Laos called "Hing Hom" and "Long Leng". Moreover, beautiful woodcarvings of ivory, offering trays and cabinets were exhibited inside the building.







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Malaysia

Malaysian Garden featured the value and beauty of traditional cultures of Malaysian people with the replicas of local-style houses. A display of hibiscus or Bu-nga Raya, the national flower of Malaysia, represented unity of the nation to promote strength and endurance of its people. Nepenthes Rajah and red tilapia as economic aquatic animals were also presented.













Mauritania

This garden displayed the typical Sahelle home with bright colors, colorful cacti with plants like date palm, baobab and henna as a representation of distinctive geography and culture of the country.











Morocco

This garden showed the Phoenician and Mediterranean styles with a distinctive scent of aromatic oils. The garden was also decorated with typical flora including rose, oranges, and date palms. Another highlight was the fountain, aimed to bring freshness to the house as Morocco is located in the desert area.









The Netherlands

The Dutch Garden proudly showed "Horticultural Innovative from the Netherlands and Charm of Lily". The orange lilies symbolized the agricultural innovative technology in a perfect combination with the concept of Greenitude. Displays also included leading production technology, glasshouse farming products and agricultural products.

















Nepal

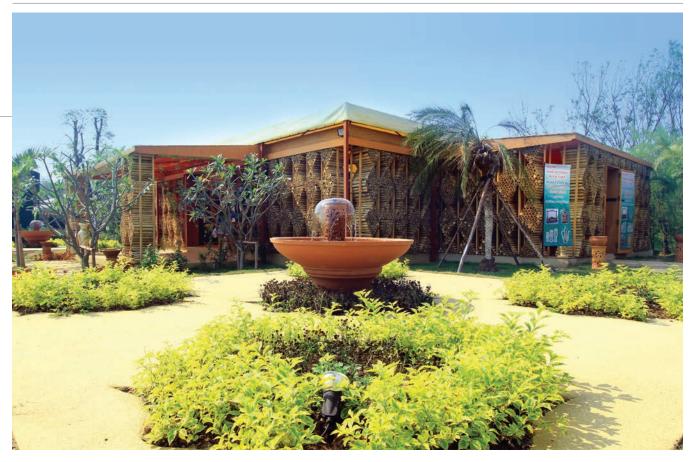
The garden of the Himalayan Kingdom showed the outstanding cultural sites and landscape, such as Lumpini park, an area relating to the birth of the Lord Buddha. The Everest mountain, Pashupatinath Temple which is one of the most significant Hindu temples and Swayambhunath pagoda. Marigold, globe amaranth and rhododendron were beautifully decorated around the Lumpini park.













Pakistan

The garden showed the Arab style of the Middle East. It was inspired by the philosophy of Mughal garden, reflecting abundant nature, respectful religion and unique cultures. The garden beautifully presented in various shapes and forms. Natural materials, included a "bamboo", were used to comply with the exposition's theme.











Qatar

The garden of this Middle East kingdom exhibited the desert scene and the typical tent home of local people with pictures presenting unique culture of Qatar. The garden was also decorated with the native plants, such as date palm. The perfume-bottle sculpture signified the importance of perfume, which is a famous product of Qatar.







South Africa

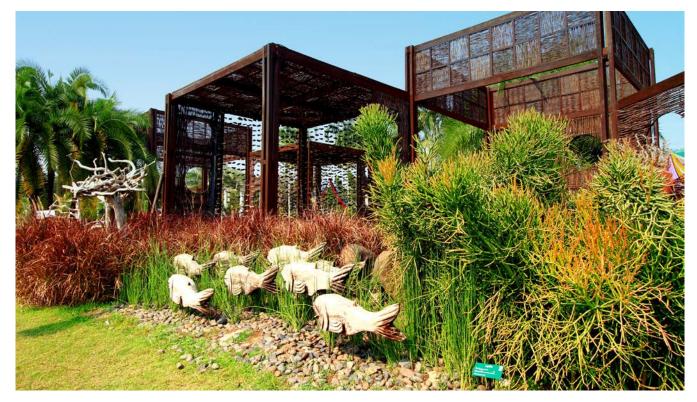
South African Garden featured typical desert plants of South Africa, such as tree aloe and zebra grass with yellow and green leaves. This particular grass turned colorful while bearing glaring sunlight. Moreover, several types of local plants and colorful stones from Africa added a sense of beauty to the garden.

















Russia

Russian Garden, adopting the concept of "Love inside Everyone", was truly inspired by the folktale of a fisherman and gold fish, portraying eight types of love: joyful love, tender love, brave love, honest love, happy love, sad love, first love and eternal love. The garden was beautifully decorated with colored ribbons of the national flag and diverse species of flowers.





Spain

Spanish Garden displayed the dragon blood plant with a legendary claim of Hercules. The plant name refers to red-color latex when the plant was cut. There were plenty of rosemary and red Christmas plants in front of the garden. Photographs of Spanish architecture and cultures awaited further exploration inside the building.

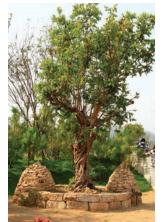




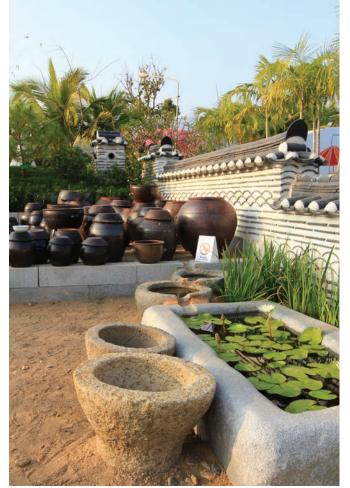














South Korea

The "Wall and Wish Gardens" of South Korea impressed the visitors with its ancient culture. The Wall Garden exhibited Dangsan trees, grown around the stones near the main gateway, for villagers to make their wishes. In the Wish Garden, there was a pond (Jeonghwasoo) located around the conner of the house garden (Madang), where mothers could make a wish for good health and happiness for the family. This garden inspired the ancient Korean culture.







Sudan

Sudanese Garden portrayed the African garden, decorated with colorful flowers, such as *Diospyros mesriliform* and *Camellia sinensis*. A safari ambience and woodcarvings in animal figures vowed the visitors with unforgettable sights. A structure built with mud and a conical roof covered with rice straw of the southern region and a flat roof mostly seen in the central region of Sudan were also highlights in this garden.













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The Turkish garden featured male and female sculptures, ship model and sand clock in addition to arts on ceramic tiles, one of the most outstanding arts with its longest history of Turkey. Native plants grown here were olive and fig.















The Vietnamese garden showed the outdoor garden incorporating the folk way of living. There was also a replica of a Vietnamese-styled house in Hanoi with a small shrine to pay homage to sacred beings and ancestors. The landscape of the house was influenced by Feng Sui; which contained water pond in the front, hills in the back, big trees around the four corners of the house and betel palms in the garden. The star fruit tree brought from the home of President Ho Chi Minh was also found in the garden.













International Association of Horticultural Producers (AIPH)

The beautiful Siamese Garden displayed a single-poled shrine of Phra Maha Uppakut image encircled by six lion figures with Thai auspicious and native plants. Phra Maha Uppakut was highly respected by Chiang Mai residents. According to Thai folk beliefs, Phra Maha Uppakut was submerged under water and only meritorious people could take the image out of water before permanently placing on a pedestal tray in the shrine.





Air Asia

Thai Air Asia

The garden exhibited the concept of "The Green Destination" through a replica of Air Bus A320 Neo. It was specifically designed to save energy under the environmental friendly approach with impressive garden decorations. Sales promotion activities entertained visitors throughout the period of the exposition.

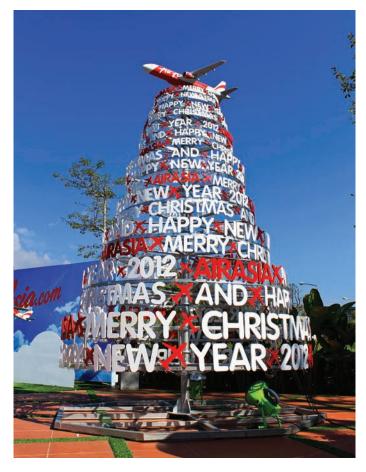


















Horticultural Science Society of Thailand

"Thai Garden", adopted the concept of sustainable living using various sizes of bamboo domes. The garden drew attention from lots of visitors for picture-taking activities. In addition, cacti, orchids and lotus/water lily ponds were displayed. The garden was awarded the AIPH 's Supreme Accolade Prize.





The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

4.3.2 Corporate Gardens

Corporate Gardens in honor of the King were fully collaborated by the public and private sectors demonstrating the royal initiated projects to Thai farmers for sustainable self-sufficiency. These gardens presented the **Greenitude** theme to save the planet earth and raise an awareness of global warming for a better life quality. A total of 26 organizations with 23 gardens joined the event.





Office of the Royal Development Projects Board

Theme: The 84th Birthday Anniversary, the happiness of Thai people

To commemorate the 84th Birthday Anniversary of H.M. the King, the royal initiated projects including three types of forests and four benefits along with the replicas of Chaipattana Aerator and check dams were exhibited. The garden was beautifully decorated with herbs flower and foliage plants brought from the projects. The products from demonstration farms were displayed.







Rice Department

Theme: New policy for sufficient living

Exhibitions and activities based on the King's new farming theory were displayed. It demonstrated the method to minimize the widespread of rice pest. The demonstrated paddy field corporated ecological engineering to enhance sustainable ecology. Yellow and white color flowers were grown on the earthen dyke to provide habitat for useful insects.











Department of Livestock Development (DLD)

Theme: The King's sufficiency economy policy

The garden displayed livestock breeding with an application of the sufficiency economy of the King's new farming theory. A background history of DLD and a combination of animal farming practices, such as sheep, chicken and duck were presented as well as food processing and wool weaving by farmers.









Land Development Department

Theme: The King's land development

The garden demonstrated vertiver grass cultivation for the conservation of soil and water resources and for waste water treatment. The royal initiated project concerning and development, replicas of houses from the five regions and 28 ecotypes of vertiver grass were also displayed. Soil clinic was established to provide consultation relating to soil and fertilizer to people.











Royal Forest Department

Theme: Conservation of forests for sustainable water resources

The garden was designed to promote a sense of forest conservation, particularly on the water sources, along the river and at the end of the river. It presented utilization of energy and forest through three types of forests and their benefits. The new trees would be planted on the deteriorated area. A variety of rare plants and flowers added more colors to the garden. There were exhibitions of young plant cultivation and forest conservation. People were encoraged to adopt the sufficiency economy policy into their daily lifr by consuming local vegetables food and produces from the community forrest.





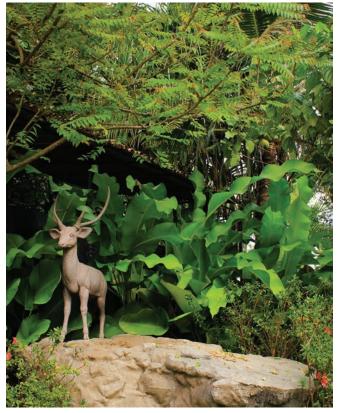


National Park, Wildlife and Plant Conservation Department

Theme: Natural conservation for global warming reduction

A variety of rare plants including rhododendron, lady slipper orchid and wild Himalayan cherry were displayed to promote reforestation in accordance with the royal initiatives.







The International Horticultural Exposition: Royal Flora Ratchaphruek 2011



Department of Groundwater Resources

Theme: The groundwater garden

The "Exciting Trip through the Groundwater Tunnel" awaited visitors for underground exploration together with the displays of hydrogeology (the distribution and movement of groundwater in the soil and rocks) contamination, utilization, conservation and rehabilitation of groundwater. Moreover, the techniques of refilling the underground water drew attention from visitors. "The Underground Water Rally" was another knowledge-building activity. The "Underground Water Viewpoint" was set up for a photographing opportunity with service stations for a picture/video clip upload.









The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

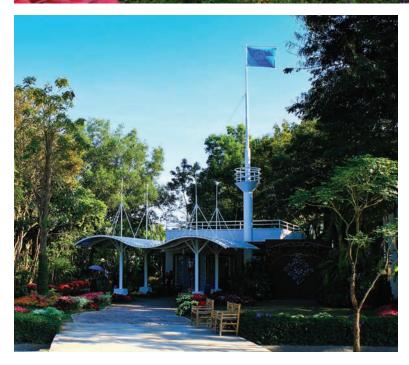
Port Authority of Thailand

Theme: The King's generosity to Thai people

The garden featuring the royal initiated projects displayed ornamental and aquatic plants, check dams built from natural materials and a display model of terraced plants, such as tea, coffee, vegetable, strawberry, macadamia, rice and vertiver hedgerows. The earthen house also showed the concept of energy saving and simple living.









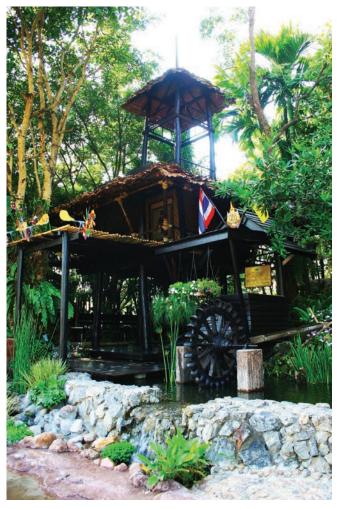
The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

Electricity Generating Authority of Thailand (EGAT)

Theme: Kindness of the King to all Thai citizen

EGAT encourages Thai people to do good deeds in after the King's numerous initiatives, by maximizing the utilization of natural resources through the cohabitation of communities and forests. The garden showed Thai way of living in harmony with natural resources. Lanna style houses exhibited local living style with the running stream nourishing the communities along the river and the use of occasional weirs and music waterwheels.



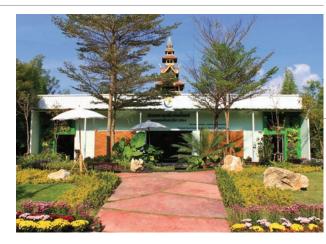




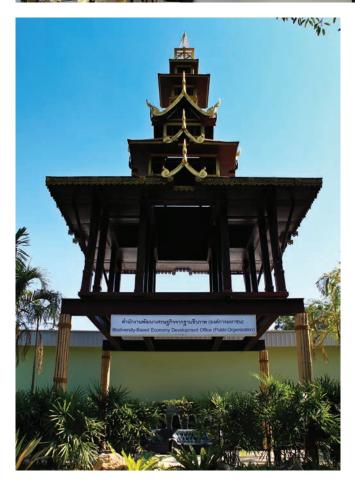
Biodiversity-Based Economy Development Office (Public Organization)

Theme: Greenitude: Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life

Highlighting the concept of reducing the use of energy and increasing freshness from natural plants and waterfalls, the garden exhibited methods used in global warming reduction and energy consumption. Moreover, there was an exhibit of an energy-saving house model with a cooling system using rooftop ventilators to draw fresh air from outdoor. Photographs in honor of the King's benevolence were displayed.











Royal Project Foundation

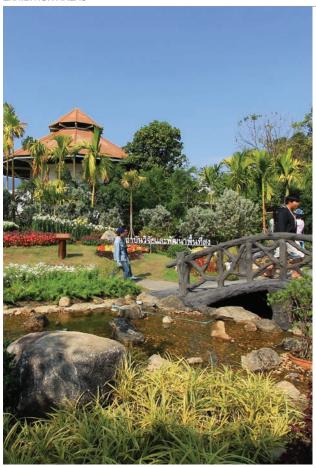
Theme: Using recycled materials for agricultural production and crop cultivation

The Royal Project Garden highlighted crops and replicas of highland farming practices by using recycled materials for agricultural production. Organically-grown crops and biological pest controls, such as wood vinegar, as well as utilization of organic substance from crops and animals as fertilizers were also displayed. Visitors could view the exhibitions of the royal activities of H.M. the King, H.M. the Queen and H.R.H. the Crown Prince. The hilltribes performances were performed daily.











Royal Park Ratchaphruek

Theme: Praise for the King, beautiful plants and lanna style

The garden was beautifully decorated in Lanna style with colorful winter plants from the Royal Project Foundation. Nine intricately carved logs represented H.M. the King or King Rama IX decorated with metal Lanna flags inscribing praise for the King. A running stream and a fountain were found in the garden.





Queen Sirikit Botanic Garden

Theme: Global warming reduction

The Queen Sirikit Botanic Garden presented numerous home-grown vegetables and herbs in the recycled materials. A variety of rare plants, such as *Dillenia parviflor*, *Artocarpus elasticus* and *Diospyros mollis* were beautifully arranged and displayed.













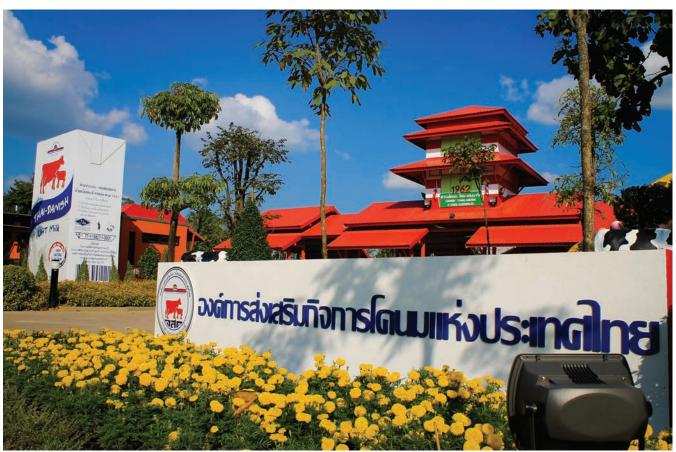


Dairy Farming Promotion Organization of Thailand

Theme: Happy farming based on the King's Sufficiency Economy Policy

The garden displayed dairy farming practices following H.M. the
King's initiatives through exhibitions of its history, sufficiency-based
dairy farming with cowsheds, replicas of rural-style house, demonstration
of cow milking and cow raising in confinement and exhibits of dairy
products.







Ayutthaya Province

Theme: 84 plants for happiness, 80 vegetables for health, 60 Thai farming products for the world

The garden reflected "the sufficiency-based agriculture" through agricultural activities of H.M. the King, H.M. the Queen and H.R.H. the Crown Prince. Displays of arts, cultures and Ayutthaya's cultures in relation to Thai agricultural practices were other highlights. The garden also showed replicas of Thai-style house, pavilions at the river bank, home-grown vegetables, rice fields, water wheels and bodhi tree (a replica from Maha That Temple).

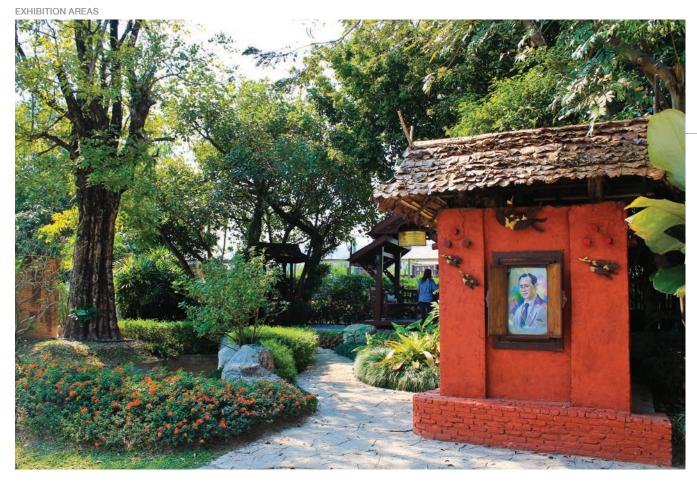












Chiang Mai Provincial Administrative Organization

Theme: Forest parks for global warming reduction

The presentation portrayed the forest parks for reduction of global warming and provided shady areas for the visitors. The garden was beautifully decorated with diverse kinds of colorful flowers to match the natural forest parks. The replicas of the waterfalls cascading down the rocks attracted many visitors whereas the pebble pathways allowed an easy access to the entire garden. Activities at weekends and holidays were organized around the garden pavilion.











Chiang Mai Municipality

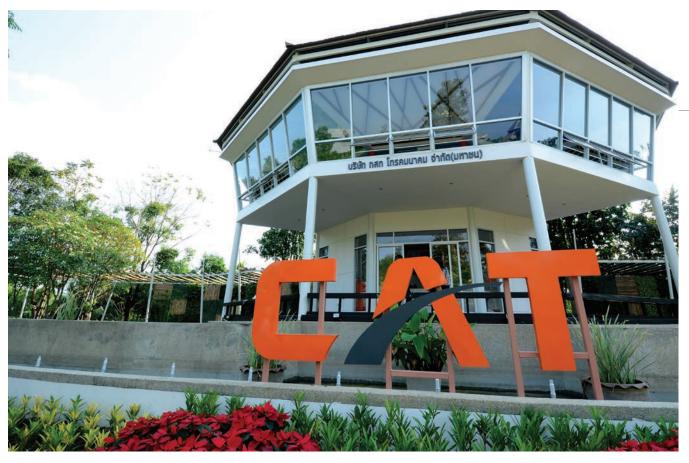
Theme: Lanna garden and social wisdom

The garden featured Lanna traditions, customs and cultures including relevant objects as a reflection of the Lanna glory to demonstrate sustainable conservation and learning center for students, tourists and general public.





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CAT Telecom PCL

Theme: The generosity of the King

The garden was arranged following H.M. the King's initiatives, regarding the use of water resources, a reflection of his wisdom towards water management. Exhibitions of "Sai Than Haeng Phra Barami" or "The generosity of the King" demonstrated the King's management of water, including the "Monkey Cheek" concept of water management, Chaipattana Aerator and Green World. CAT Telecom, a communication company, also provided high-speed internet allowing visitors to make online wishes for the King.



Bangkok Airways Co.,Ltd.

Theme: Save the planet earth and sustain nature

The concept of saving the planet earth and sustaining nature was portrayed through exhibitions of organic agriculture, conservation and rehabilitation of Thai ocean and promotion of local cultures. Visitors were allowed to take photographs with the replica of the world heritages as well as writing postcards to the King.







Charoen Pokphand Group PCL

Theme: Create energy from the land, empower life and be good friends to the environment

The garden was organized with the aims to improve and add values on Thai agricultural produces including life empowerment for a better life quality and happiness. Visitors could view five miraculous plants producing energy from the land at the Smart Agriculture site while exploring the agricultural innovations and full details of Charoen Pokphand Group. Field crops, horticultural crops and paddy fields were displayed on the wall to reflect land futility. Movies and songs in honor of the King and exhibitions of the royal initiated projects were also presented.









Toyota Motors Thailand Co.,Ltd.

Theme: Toyota 4Rs and 4ls

Toyota Motors Thailand Co.,Ltd. honored H.M. the King by presenting their garden under the concepts of 4Rs and 4ls. 4Rs focused on the reduction of carbon dioxide, energy consumption, water usage and garbage. On the contrary, 4ls included an increase of happiness and green space for work, satisfaction to employees and relevant business partners, social activities for the society among the employees and corporate social networks to employees. The exhibitions contained tree plantation projects for the King, learning center for sustainability, center for natural studies supported by the Royal Thai Army, tree plantation projects between Toyota's employees and communities. The seminar on the conservation of friendly environment was also held.



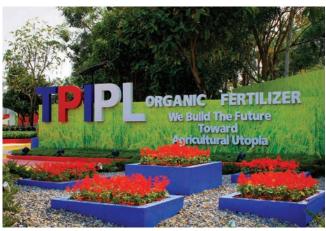


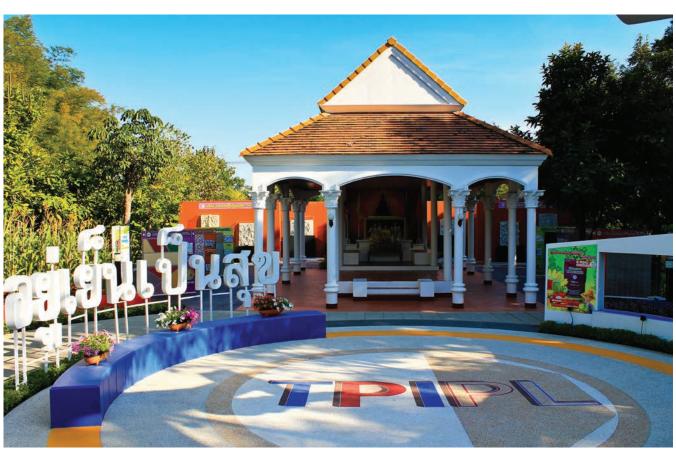


TPI Polene Bio-Organic Co.,Ltd.

Theme: Well-off Thai farmers, sustainable environment, the bright future with organic farming

Bio-organic fertilizer from garbage wastes and its utilization for the production rice, field crops, fruit trees, backyard vegetables and ornamental plants were shown. The decorative stuccos in honor of the King presented numerous activities of the King and to preserve the cultural heritage of stucco arts.







TOT PCL

Theme: Beneath the Bodhi tree, beneath the banyan tree, beneath the King's graciousness

The TOT garden showed the natural energy garden for sustainable happiness through the use of suitable technologies for life and for reduction of disastrous impacts upon the planet earth. Activities initiated by the King were demonstrated as the role model for environmental conservation through solar cell-based electricity in the garden at night including the bicycling-based dynamic energy to charge the cell phone. The exhibition of Green IT to encorage an environmental awareness and reduction of electronic wastes was displayed.













Petroleum Authority of Thailand (PTT)

Theme: Power of sustainability, three decades of sufficiency philosophy and eco-tourism

The garden presented the sufficiency economy for the world's survival based on "sufficiency", "consciousness" and "resourcefulness" towards changes of natural surroundings. Focusing on values of natural resources and environment, it included the project of "Saving the forest and preparing people of 84 sub-districts on sufficiency lifestyles" to promote the concept of sufficiency and sustainable happiness.







PSP Specialty Co.,Ltd (Dasada Garden)

Theme: Express the Love for Humanity Parthenon of Flowers

The garden presentation was decorated under the concept of "Let Love Grow" through the relationship between butterflies and flowers. The garden also displayed passion, understanding, caring and sharing love among people through the concept of Greenitude. The exhibition for the King in a vertical garden was decorated with an elephant head and the masthead of Suwannahong royal barge which were beautifully made from foam and dried colorful globe amaranth flowers. Besides, a replica of Dasada Garden glasshouse in Prachin Buri province was displayed.















Muang Thai Life Assurance Co.,Ltd.

Theme: Garden of happiness and smile

The beautiful garden aimed to make everyone happy and smile through various services. The terrace garden with colored rabbit dolls in good emotions on the labyrinth was displayed. His Majesty's compositions songs were played in the garden where the activities of H.M. the King were exhibited. The building was decorated with household items, made from recycled paper under the INFO SAFE Project, to reduce paper consumption and to encorage paper recycling.





Krung Thai Bank PCL

Theme: Garden of the King's vision (Green energy)

The utilization of natural energy was presented through the installation of wind turbine and solar cell. The electricity generated from these natural sources was used to run a fountain in the garden.







Bank for Agriculture and Agricultural Cooperatives (BAAC)

Theme: House of sufficiency economy and imagination garden

The Garden emphasized local and natural lifestyles in compliance with the sufficiency economy policy, such as rice cultivation and fish farming. Colorful gardens in a perfect harmony of native crops and beautiful flowers in the forms of both natural and vertical gardens created an impressive scene. Agricultural processed foods were also exhibited.





4.4 The Orchid Pavilion

The Orchid Pavilion was arranged into 4 zones as follows:

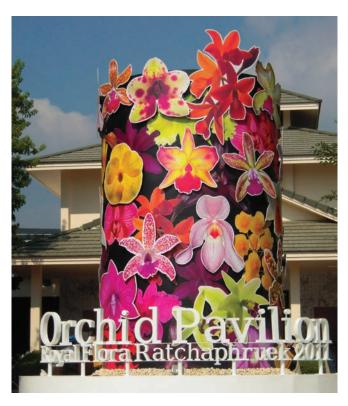
Orchid Building: Numerous varieties of orchid were displayed. To promote their importance in terms of great beauty, natural value and economic development with the purpose to raise an awareness of sustainable conservation for valuable orchids.

- Orchids in honor of the Royal Family: "Wild Orchids and the Royal Family"

This area displayed the orchids bearing names of the royal family menbers and exhibited the royal initiated projects on orchids.

- **Orchid habitats:** The exhibition displayed the habitats of numerous types of wild orchids according to their sources of origin.
- Orchid innovation: Various products of orchid, orchid herb/medicine, orchid perfumes, gold-plated orchid flowers as well as orchid photographs were displayed.
- Orchid knowledge and technology: This area presented the history of great important persons involving in the orchid industries of Thailand. The orchid production technology, breeding, germination, propagation and cultivation were exhibited. In addition, library corner as well as official roster were available to offer information to visitors.











Waterfall garden This area was landscaped with waterfall and thousands of orchids in order to present the diversity of global orchids and also a great spot for visitors to take photographs of unforgettable memories.

Orchid competition area The competitions were held weekly for 13 weeks. There were hundreds of cut flowers and individual plants participated in each competitions. Awarded plants/flowers from each competition were also displayed.









Orchid zoo Animal-like orchid flower/pseudobulb/stem such as Monkey/Dracula orchid (*Dracular vampira*), Antler-like orchid (*Phalaenopsis cornucervi*), Ghost orchid (Dendrophylax family), Dragony orchid (*Arachnis* spp.), Bee orchid, Centipede orchid (*Dendrobium leonsis*), Little Butterfly orchid, Snake orchid (*Vanilla aphylla*), Bullfrog orchid (*Eulophia macrobulbon*), Spider orchid (*Thrixspermum* spp.) and Tailorbird orchid (*Trias nasuta*) were landscaped in the orchid tunnel.



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Display and Competition Programs

A number of orchids including individual plants, container display, cut flowers and orchid gardens were competed weekly as follows:

• 14-22 December 2011

· 23-29 December 2011

• 30 December 2011-5 January 2012

• 6-12 January 2012

• 13-19 January 2012

· 20-26 January 2012

• 27 January-2 February 2012

• 3-9 February 2012

• 10-16 February 2012

• 17-23 February 2012

• 24 February-1 March 2012

· 2-8 March 2012

• 9-14 March 2012

The Orchid Paradise

Cattleya: Queen of Orchids

Species Orchid for the King

Grand Orchid Festival

Rhynchostylis Festival

Northernmost Dendrobium

The Best of Thai Orchids

Great Beauty of Orchids

Vanda-Ascocenda Festival

The Best of Wieng Ping Blue

Dendrobium friedericksianum

Festival

Fragrant Orchids of Nakhon

Ratchasima

Thai Orchids for the Beloved

King









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4.5 Herb garden

Theme: Herbs for life

More than 500 herbal plants and 9 activities were arranged under the concepts of 3Gs and 3Rs.

Activity 1: Open the Herbal World

Varieties of herbs and medicinal plants, such as rosemary, Japanese mint and lemon thyme, etc., together with the information on their utilization were presented. Besides, typical Thai therapeutic postures or "Ruesi Noi Dat Ton" was performed to welcome the visitors. Youth ambassadors and official guides were assigned to provide the information and took the visitors around the herbal garden.

Activity 2: Honor the Royal Family with Herbs

The importance of herbs and their utilization in Thai therapeutic treatment endorsed by the Royal Family since Sukhothai reign, recipes of Thai traditional medicine, herbal products and the evolution of raw materials used since ancient time to the present were exhibited. Moreover, consultation on healthcare that complies with the following four branches of Thai folk medicine was provided.

Traditional Thai Therapy: Diagnosing cause of illness and curing with Thai herbal medicine.

Traditional Thai Pharmacology: Use of herbs for treating illnesses, particularly by herbs on the national list of principle medicines and common household medicines.

Traditional Thai Massage: Relief of muscle pain by the royal household style of massage.

Traditional Thai Pregnancy Healthcare: Taking good care of mother and her baby with suggestions on foods, herbs and cautions during pregnancy, healthcare after childbirth, such as taking herbal medicine for releasing lochia, nourishing milk, fortifying blood and taking traditional post-natal massage.

Activity 3: Diverse Kinds of Herb

This exhibition featured a biodiversity of more than 500 kinds of herb. They were classified according to their healing properties such as restoration, skin disease, diuretic and cancer treatments. Herbal plants which were exhibited included orchids, mushrooms, grass or herbs with identical names but different medicinal properties.









Activity 4: Herbs at Home

The concept of herbs for everyday life, "Herbs for Health: From Head to Toe", presented basic treatments and herbal usage for all ages. Focuses were given to the sustainable use of herbs for food, medicine and spa. The conservation and sustainable use of herbs were also highlights of this activity.

Activity 5: Thai Herbal Products

The utilization of Thai herbal products, which have been continuously developed for industrial production, was exhibited.

Activity 6: Learning Center for Herb Processing

A demonstration of herb processing from golden shower tree (Ratchaphruek), a logo of the Royal Flora Ratchaphruek 2011, was based on the concept of "Medicinal Ratchaphruek" such as "Suwan Nakha Tea" made from leaves to treat brain infraction and enhance blood circulation, "Phong Khun Khat Kho" made from leaves powder to ease inflammation of joints, relief muscle pain and alleviate paralytic syndrome.

Activity 7: Herbal Tea Hut

The information on tea, including its nutritional values and various products, was presented. Demonstration of herbal tea brewing was also performed. Visitors can taste various kind of tea.

Activity 8: Competition

A competition of small gardens arranged with various kind of herbs was launched. Visitors can learn more about herbal plants and their utilization, medicinal and nutritional values. A competition on international herb gardens was also held under the concept of "Reuse, Reduce, and Recycle".

Activity 9: Folk Lifestyles

The ethnic knowledge on restoration, conservation and sustainable utilization of herbal plants by the elders of each region (North, East, West and South) of Thailand were displayed.







In addition, the Highland Research and Development Institute (Public Organization) displayed the lifestyles and houses of the hill tribes, such as Hmong, Karen, Palong and local people of the highland. Utilization of wild plants for food, energy and other purposes was exhibited. Besides, the ethnic doctors were available to perform their services regarding medical treatment, liquid medicine preparation as well as giving information on indigenous knowledge of their tribes to visitors.





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4.6 Lotus/Water Lily Garden

The garden was set up under the concept of "Only One in the World". It featured a number of lotuses and water lilies from both Thailand and overseas in six ponds.









Pond 1: Highlighted Lotus/Water Lily: "Giant Water Lily with changing colors" is able to change its petal colors every 5-6 days from white to pink, sky blue, blue and purple colors. Around the giant water lily circled the hardy water lily specimens from cool climate zones of Europe and USA.

Pond 2: Victoria Water Lily: A lotus with 2 m. leaves, bloomed at night. The white color petal turn pink in the late morning. A world-renown "Bua Wanwisa" water lily developed by a Thai breeder and granted with the 2011 winner award was displayed. The name "Wanwisa" is derived from the day of its first blooming on Wisakhabucha day.

Pond 3: Tropical Day-Blooming Water Lily, a tropical water lily, featured various colors: purple, indigo, blue, green, yellow, orange, red and white.

Pond 4: Sacred Lotus, has pink or white petals, each with two forms, few or numerous petals. The numerous petals, Bua Chat, is used as cut flower while the others is used to produce edible seed.



Pond 5: Great blue Australian water lily displayed large flowers with white and blue petals. The leaves reaches the maximum diameter of 60 cm.







Pond 6: Night-blooming water lily starts blooming at sunset to 10 am. The leaf margin is serrated and the peduncle is edible.





In addition, miniature water lily from Madagascar was exhibited throughout the day.

4.7 The Bug World

Numerous insects and female giant fireflies, which are rarely seen in Thailand were displayed. The exhibition was divided into two parts, non-living and living insects.







1) Non-living insects consists of 2 zones:

Zone 1: "With the abundance of insects in fertile forests, the global warming is unlikely" comprised of the following sub-zones:

Origin of the Earth-Origin of Insects: Described the origin of the earth, origin and evolution of insects through to the origin of mankind.

Camouflage in the forest: Demonstrated the evolution of insects found in soil and water of the fertile forest.

Global warming effects: Displayed the effect of the deterioration of forest on global warming which resulted in the extinction of beneficial insects and the increase of plant pests.

Zone 2: Edible insects: Provided knowledge about edible insects to children and gave opportunity to exchange information with the officials. The visitors could have a taste of edible insects.



2) Living insects consist of 3 zones:

Zone 1: Indulging with insects in the fascinating forest displaying a diverse species of live insects in a garden perfectly decorated with ornamental plants.

- Soil insects: dung beetle (*Holotrichia* sp.) and Rhinoceros beetle (*Xylotrupes gideon*)
- Bamboo grubs: Demonstrating their life cycle
- Larva and Pupa: Leaf eating caterpillar (*Papilio demoleus malayanus*) and hawk moth (*Psilogramma menephron*)
- Fireflies: Displaying the female giant firefly and their living area
- Leaf Insect (*Phyllium bioculatum*) and Walking sticks (*Tenodera pinapavonis*)

Zone 2: Natural predators for eliminating plant pests featured some predators and parasites







Zone 3: Learn from Insects presented bugs named by the Royal Family Members and quiz games regarding the wonder world of bug, such as Mole cricket (*Gryllotalpa africana*) and hairy bugs.

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4.8 Shaded House

Appoximately 2,000 plants of rain forests were displayed for all visitors to view. These plants included palms, queen of dracaenas, bromeliads, calathea, lady palm, dumb cane, cordyline, Crape ginger, aglaonema, philodendron, fern, hoya and American elder.











4.9 Gardens under the Rubber Trees

Exhibitions in this area were organized by three organizations.

Rubber Research Institute of Thailand

Theme: Years of Thai rubber under the King's benevolence

In honor of H.M. the King, four exhibitions under the concept of "The King and Thai Rubber Trees" included an exhibition with its large stage for performances and discussions, an exhibition of "Hall of Thai Rubber History" tracing back into the history of Thai rubber plantation with its first rubber tree in Thailand to generate carbon credits. Other two exhibitions were a demonstration of rubber sheet making process and an exhibition of "Unity of Thais for the King" encouraging the general public to write their wishes for the King. The waterfall cascade projecting images of the three members of the Royal Family and the 4-region cultural performances were also displayed.







Theme: Thai rubber for sufficiency economy

Based on the concept of "Thai rubber for sufficiency economy", the displays reflected lifestyles of Thai rubber farmers and related knowledge. Models of rubber farms with farmer houses all represented rubber farming of the South, North and North East. The rubber auction was another attractive activity.





Rubber Estate Organization

Theme: 63 years of Rubber Estate Organization for the Chakri Dynasty

The exhibition marked the 63rd year anniversary of Rubber Estate Organization titled "the Miraculous Plant to Thai Rubber Industry". Details of Rubber Estate Organization and a demonstration of fair trade practices for rubber were presented whereas visitors could observe rubber processing and other related products.





4.10 Other Gardens/Buildings

Soilless Greenhouse

The house showed 3 types of Soilless Culture technology: hydroponics, substrate culture and aeroponics. Tropical and temperate crops such as tomatoes, bell peppers, strawberry and lettuce, were displayed in the form of vertical and horizontal gardens.











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Temperate Greenhouse

Substitution of opium plantation with more than 50 species of temperate crops namely fruit trees and ornamental plants were established. The outstanding plants were peaches, plums and giant pumpkins. The temperature of the house was maintained at 12-14 $\,^{\circ}$ C.











Desert Plant Greenhouse

More than 300 cacti of 30 species from all over the world were displayed in the glass-house without controlling temperature. These plants adapted themselves to the arid_condition by turning leaves into thorns or hairs, to reduce transpiration rate.

Among these desert plants, welwitschia from Namibia was a highlight. This plant has a very short trunk, no branch but has two big leaves (2 m wide, 6 m long). These two strap-shaped leaves will be torn into small strips when attacked with strong wind. The plant can live 500-1,000 years long under the arid environment.

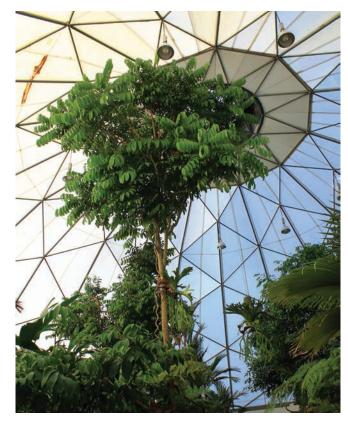






Tropical Dome

The temperature inside the tropical dome was maintained at 25-30 °C with approximately 85% relative humidity. More than 80 species of plants were displayed and more than 90% of these plants were from southern part of Thailand. Plant types ranged from ground covers to trees. Highlighted plants were the Zingiber which had wide range of characters, for instance, Siam cardamom, torch ginger, 'Krathue' (*Zingiber zerumbet*), red ginger, 'Wan Sao Long' (*Globba winitii*), 'Put Duean' (*Hedychium longicornutum*), 'Hua Roi Ru' (*Hydnophytum formicarum*) and 'Krachao Phi Mot (*Aristolochia tagala*).











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More than 40 species of colorful flowers including dwarf sunflower, wool flower and marigold were used to decorate the area of 8,165 sq.m. Along the edge of this area, the Cucurbit plants, such as gourd, loofah and bottle gourd, were grown to form a dragon-shaped tunnel which the visitors can walk through. In addition, a fashion show of silk costumes were performed along the walk way to draw attention from the walk by visitors.

Sunken Garden

The diverse wetland plants were displayed in the sunken garden under moist and cool atmosphere. More than 100 rare species of heliconia and 50 species of canna could be viewed from the walkway.



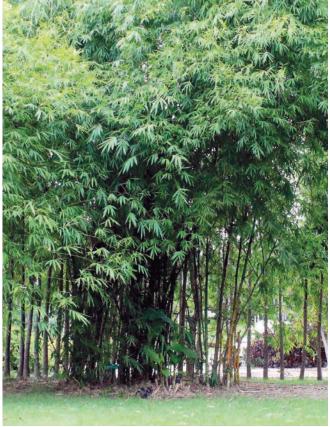












Religious Tree Garden

The garden displayed 18 species of trees representing the trees in Buddhist religion. These trees were important because their were mentioned in the Buddhist annals that the Great Buddha sat under each of them and performed religious activities that were performed by Buddhist monk nowadays. Some of them were **Kum Bok** or Sacred Garlic Pear or Temple plant (*Crateva religiosa*), **Ket** or Milkey tree (*Manilkara hexandra*), **Chik Na** or Mutcharin (*Baringtonia acutangular*), **Takhian Thong** or Iron wood (*Hopea odorata*), **Tan** or toddy palm (*Borassus flabellifer*) and bamboo.



Auspicious Plant Garden

According to the traditional belief of Thai people, 9 species of auspicious plants namly 'Kankrao' (*Fagraea frangrans*), teak tree, 'Thong Lang' (*Erythrina subumbrans*), golden shower tree, jackfruit tree, pink shower tree, black wood tree, scrambled egg tree and golden bamboo, would bring good fortune if grown in their garden. Some of these plants with colorful flowers can draw attention from the passer-by.





Climbing Plant Garden

More than 20 species of climbing plants were grown in this garden. Among these plants, they are divided into 2 groups, true vine (coral vine (*Antigonom leptopus* Hook), garlic vine (*Pachyptera hymenaea*) etc.) and scandent vine (Karawek (*Artabotrys siamensis*), Nom Maeo (*Rauwenhoffia siamensis*), Nora (*Hiptage benghalensis*) and Fueng Fah (Bougainvillea)).







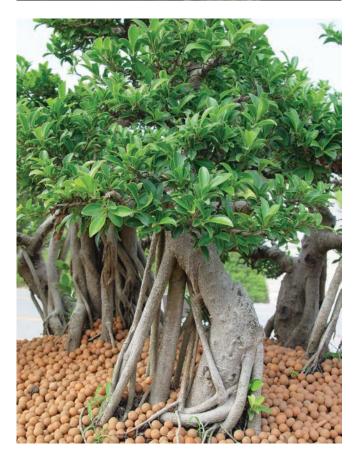


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Fragrant Plant Garden

Various types of fragrant plants from the ancient times were grown. Among these plants, comprised 'Champi' (*Magnolia alba*), 'Phut' (*Gardenia jasminoides*) and 'Lamduan' (*Melodorum fruiticosum*). More importantly, pollens from numerous kinds of plants such as jasmine (*Jasminum sambac*), 'Bunnak' (*Mesua ferrea*), sacred lotus (*Nelumbo nucifera*) were used in the recipes of Thai folk medicine. These fragrant plants are native in Thailand or brought from neighboring countries. Also exhibited were plants that bear the names of the royal family: 'Mok Rachini' (*Wrightia sirikitiae*) and 'Champi Sirindhorn' (*Magnolia sirindhorniae*).







Bonsai Garden

The Japanese "Bonsai" or a dwarf plant is considered an art form. Towards the modern period, the word "Bonsai" refers to "miniaturized or dwarf plant without any decoration". Although dwarf plants had been popular among Thai people since the Sukhothai era, bonsai brought by the Japanese was found to be popular during the Ayutthaya era. Moreover, the classical Thai literature, Khun Chang Khun Phaen, during early Rattanakosin era also mentioned bonsai plant. The garden featured a number of beautiful and strange bonsai plants.



Variegated Plant Garden

In this garden, the visitors could observe a diversity of variegated plants created by nature and humans. More than 40 species of popular plants were displayed through a beautiful setting. These variegated plants included guava, white silk cotton tree, Siamese rough bush, Physic nut and white cheese wood.









Provincial Tree Garden

Each of the 76 provinces of Thailand has designated a tree as a symbol of the province, representing distinctive locations and lifestyles of the local people. Apart from being considered auspicious for the growers as they are the royal trees, these provincial trees symbolize each province and its uniqueness. To mark the 77th province of Thailand, 'Sirindhorn Walli' (Bauhinia sirindhorniae), a symbolic tree of Bueng Kan Province, was added to the garden. A bird's eye view of this garden revealed a map of Thailand to visitors.





Palm and Cycad Gardens

More than 60 diverse species of palms and 42 species of cycads were displayed in the garden. Sugar palm and Bismarck palm which are drought and flood tolerant plants were aslo grown.





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4.11 Indoor Exhibitions

International Indoor Gardens

The International Indoor Gardens were held during 14-26 December 2011, in the Exhibition Hall 2 under the theme of "Flower for Cooling the World" comprising of 14 gardens from 11 participating countries and 3 organizations as described below:

Argentina: The garden adopted the concept of "Green Diversity", inspired by diverse Argentinian architecture, climate, plant and lifestyle.



Brunei: Under the concept of "Harmony and Peaceful", its temporary-styled garden was decorated with flowering plants together with bamboos to create the lively beautiful garden.









Kenya: This garden was designed to resemble the African forest with wild animals, trees and rice straws in a perfect harmony.



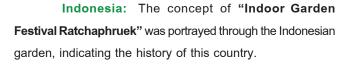
Japan: This beautiful garden presented 2 Kikunin-gyo or Chrysanthemum Dolls. The male model represented Sakamoto Ryoma, commonly known as "Ryoma", who played a key role in reforming the country's feudalism into modern administration and economy.

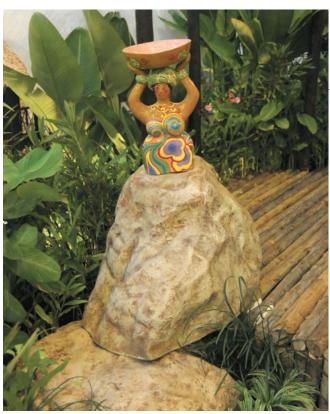




Culture", reflecting cohabitation of humans and nature. In the garden, there were a shelter which was made in the style of native Cuban house, coconut trees which featured the island landscape and tobacco plants which was the major produced and exported products of Cuba.











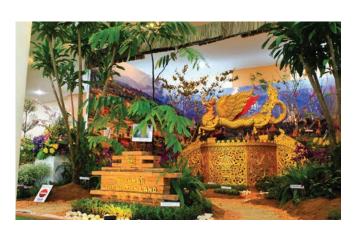


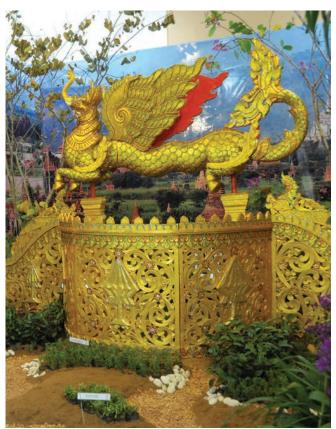


Malaysia: This garden portrayed the home garden of Malaysia, decorated with green trees and flowers to generate a sense of relaxation to the visitors.



Myanmar: The garden was designed by Myanmar Floriculturist Association. It was aimed to present good relationship between Myanmar and Thailand. The garden style portrayed the arid areas of the country where the palace of the previous kings located. The brown color represented heat and drought. Greenery of plants and crops perfectly matched "Greenitude" as the main theme of this exposition.





The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

The Netherlands: The concept of "Horticultural Technology for Edible Landscaping" was applied to this garden. It was aimed to encorage the visitors to adapt horticultural technology with their daily life by displaying edible crops and soilless-based salad gardens, together with intense tomatoes which recieved the Innovation Award 2008.







Sudan: This garden was decorated to portray the African forest with the models of African natives and wooden animal figurines, such as a giraffe, deer and tiger.





Taiwan: Under the concept "Beautiful New Taiwan", Taiwan Floriculturist Association presented a garden with concerns towards the planet earth, nature and environmental conservation. Materials used for this decoration were from natural and recycled items. Two kinds of flowers, Oncidium which symbolize the autumn of Taiwan and Phalaenopsis which symbolize the diverse cultures of Taiwan were chosen as major flowers for landscaping. Additionally, the red lanterns which symbolized serenity, happiness and fertility were also used for decorating the garden. All exhibit items conveyed best wishes of Taiwan towards Thailand.









Yemen: This garden was designed under the concept of "Wisdom of Preservation". It displayed the typical landscape, major crops, unique terraced farmlands and architecture of Yemen.

Nong Nuch Garden: The "Paradise Garden" was designed in rectangular and trapezoid shapes. The garden was decorated with bromeliads and numerous potted plants. Other ornamental plants and bromeliads were also decorated on the figures of a swan and a heart.







Thai Ornamental Plant Society: The main concept of this garden was "Himmaphan Forest", reflecting the belief based on Thai litelature. The garden composed of waterfalls and streams decorated with mythical creatures and numerous of tropical plants. The landscape is to remind the visitors of the fertile forests of the past old days and to raise the awareness of natural forest conservation.



Temporary Indoor Exhibitions

Temporary Indoor Exhibitions were held inside the Exhibition Hall. The topics varied from farm management to farm products. The exhibitions were changed every 9-11 days.

Exhibition Hall 1

Miracle of Plants (30 December 2011-9 January

2012)

The diversity of plants displayed at this exhibition impressed the visitors with the beauty of plants through the landscape designs. Academic information was also exhibited. The information obtained from the research on plant propagation and off-season cultivation highlighted the advance in production technology. Moreover, new varieties of plants, which were recently discovered and registered in Thailand, such as a glowing mushroom, giant bamboo, insect-expeller plants and endangered plants were also on display.







PLANTA EXHIBITION 300 PTC

Ornamental Plants (13-22 January 2012)

This exhibition was presented under the concept of "Guardian of the Garden" which emphasized on the ornamental plants using for global warming reduction and air pollutant absorbtion. The temperature inside the display house was reduced by roofing with various kinds of ornamental plants. Radiation emitted from computer screen was absorbed by potted cactus placing near the computer. In addition, 15 small gardens joined in competition delighted the visitors with their beautiful decoration of rare ferns and miniature waterfall.

3Gs and 3Rs (27 January-5 February 2012)

The Exposition was displayed under the concept of 3Gs (Greenery, Garden and Generation) and 3Rs (Reuse, Reduce and Recycle). The objective was to evoke a sense of participation of people to solve the environmental problems. There were example of traditional practices which were adapt ed for future used and could be alternative solutions to solve the problems of global warming. The mindfulness and environmental awareness of people were also aimed.



The exhibition of "Green City" portrayed the harmony of natural living with technology in the urban. It presented principles of the green city by blending the vertical garden concept and the use of the public spaces with the design of buildings, houses and shop houses. It also emphasized on the reuse of waste materials, such as growing plants in plastic bottles and using old tires to level the waterfall. The garden roof and soilless planting technology were also displayed.















Horticultural Innovations (4-14 March 2012)

The exhibition was displayed under the concept of "Robotic Garden". It showed the potential of Thai people in agricuture. It also disseminated knowledge and technology in horticulture to farmers, academics and general public. A number of innovations were presented including 2-D Code agricultural traceability system, demonstration of genetic engineering technology, production and processing technology of longan, soilless cultivation, vertical garden, fertigation system as well as agricultural tools for smart farming.

Exhibition Hall 2

Exotic and Rare Plants (24 December 2011 to 2 January 2012)

Exotic and rare plants were displayed under the concept of "Cocoon...Bringing Up and Protection" through the landscape which resembled the fertile ecosystem of evergreen forest. The highlights included a giant bamboo and Coco de Mer or twin coconut, a native plant of Maldives islands.









Tropical Flower Plants (15-26 January 2012)

The exhibition displayed "The Fantastic Tropical Flower Gardens" full of diverse colorful flowers and an exhibition to honor H.M. the King for his contribution in flower industries. Visitors could inspire the beauty of Siam tulip and Curcuma field (*Curcuma* spp.). The development of breeding program for Curcuma in Thailand was also presented.

3Gs and 3Rs and Community Model (30 January-8 February 2012)

Wat Cok Ket School was selected to present its community model which adopted the 3Gs and 3Rs concept. The organic crops and mushroom cultivation of Muang Ngai Project were exhibited. In addition, the Department of Livestock Development presented the modern production system for animals, using closed evaporative cooling system and the use of animal watse in producing gas for the household. Moreover, the National Bureau of Agricultural Commodity and Food Standards exhibited the organic plant production while the Ministry of Energy showed various creative innovations for energy saving.













3Gs and 3Rs and Agricultural Innovation (24 February-4 March 2012)

The "Imagination Field" presented agricultural innovations for daily life from present to future generation. It included hydroponics in various containers, such as bamboo tubes or bowls. In addition, the organic fertilizer production by earthworms, household biogas production, biomass power plant and biofertilizer production plant were displayed. These innovations were expected to be transfered from present to future generation. Besides, the awarded research studyies of university students were also shown.

Exhibitions of Coconut/Vegetables/Mushroom/ Fruit/Tea and Coffee (12-20 February 2012)

This exhibition presented the knowledge on coconut, vegetable, mushroom, fruit, tea and coffee production under the concept of "Horticulture for the World, Steering towards Sustainable Future". Information on fruit export, the benefits of fruits to people's health, ethanic herbs, cooking mushroom, processed mushroom and medicinal mushroom were also displayed. The model of coffee plantation on the mountain with the waterfall cascading to the sea, where the coconut trees were decorated to create the beach atmosphere, was portrayed. The folk song music was performed daily to entertain visitors. Tea brewing was demonstrated and the visitors were offered to taste tea and coffee, especially the coffee brewed from coffee beans originated from the world's famous plantations.





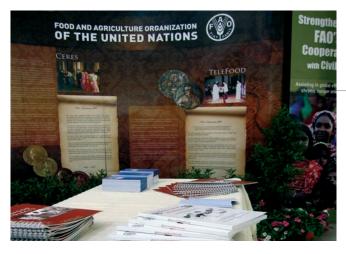
Corridor between Exhibition Hall 1 and 2

1. During 14 December 2011-14 January 2012

Food and Agriculture Organization of the United Nations (FAO) provided information on food nutrition value, agriculture, forestry and fishery of several countries as references for establishing agricultural policy.







2. During 15-26 January 2012

2.1 Classification of durian varieties

Varieties of durians, including the outstanding varieties from Nonthaburi Province, such as 'Yum Mawat', 'Jok Loi', 'Thong Yoi Chat', 'Nok Yip' and 'Kop Suwan', were classified based on their fruit morphology. Since Nonthaburi Province is located on the lowland of the Central plain, the durian plantations are prone to flooding and always at risk of extinction. The Department of Agriculture has collected more than 500 species of durian under the "H.R.H. Princess Maha Chakri Sirindhorn's Plant Conservation Project" in order to conserve all durian varieties and distribute their seedlings to farmers.

2.2 Exotic and rare plants exhibition

It featured endangered species of plants, such as Balanophora fungosa, Acrocarpus fraxinifolius and varieties of banana.







Permanent Exhibition

Four organizations held their exhibitions to honor the King inside the Exhibition Hall. The exhibitions were described as follows:

1. Bhuping Ratchaniwet Palace

A variety of beautiful roses from both Thailand and overseas, including two special varieties, namely 'Queen Sirikit' and 'Chulalongkorn', were displayed. The 'Queen Sirikit' is a hybrid between 'Color Wonder' and 'Golden Giant'. It has deep yellow petals with red fringe and gentle fragrance. The 'Chulalongkorn' is a hybrid between western and oriental roses. It has a deep pink color. The name of the rose was commenmorated to Princess Dara Rassami's beloved husband "King Chulalongkorn or King Rama V". This rose is Princess Dara Rassami's most favorite.

2. Muang Ngai Agricultural Project

This project is under the patronage of H.M. Queen Sirikit for developing agricultural technologies, such as fruit production and propagation, field crops management, ornamental plants and orchids production, hygeinic and nativevegetables production, bio fertilizers production and New Theory's agriculture activities.

3. The Department of Agriculture

The beautiful yellow tulip, "King Bhumibol", was preserved in resin block. It was developed by Mr.Klaas Kordijk, a Dutch agriculturalist, who submitted for the permission to name the new tulip variety after H.M. the King. He owns the FA.P.Koeddiik&Zn Company in the Netherlands.

4. The Ministry of Energy

The alternative energy and conservation concept were demonstrated to the youth and general public in order to evoke an awareness of global warming and energy reduction as well as recycling of natural resources. It encouraged people to be aware of the disadvantage of luxury energy consumption and, at the same time, encouraged the youth to follow H.M. the King's "Sufficiency Economy Theory " for their fruitful life.











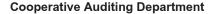


4.12 Other Exhibitions

Royal Irrigation Department

Theme: The Beloved King, The Water Expert, Water Conservation for H.M. the Queen and Loving Nest among Thais

It exhibited the activities of H.M. the King, H.M. the Queen and H.R.H. the Crown Prince through multimedia. The utility vehicle used by the King during his visits across the country and his horse-drawn carriage were displayed. The replica of Mae Ngat and Mae Kuang Dam were shown. A movie, "River of Life", was presented to honor the King. The working process concerning the participation of farmers in irrigation management and Krasiao Irrigation Project in Suphan Buri Province were exhibited.



Theme: Accounting for Self Sufficiency

A house in Lanna style and a big jar were built after the H.M. the King's sufficiency economy theory. The big jar had several holes which indicated the imbalance of income and expenses where a great sum of money was spent on unnecessary items. Thus, a household accounting was an essential tool to solve this problem. In addition, the farmers were encouraged to establish integrated farming system instead of monoclonal system to enable regular income.

Office of the Permanent Secretary, Ministry of Agriculture and Cooperatives (Bureau of Royal Rainmaking and Agricultural Aviation) in the back of Exhibition Hall

Theme: 84 Years: The Father of Royal Rainmaking

This event was held to honor H.M. the King for his invention on royal rainmaking. Displays included a historical background of royal rainmaking, rainmaking method and relevant process, royal rainmaking project and water cycle along with rainmaking procedures. Objectives and responsibilities of this organization were also presented.













Agricultural Land Reform Office

Theme: Vetiver Grass/Community Food/Agricultural Clinic

Several of the King's initiative projects were exhibited. On the 1st floor, it demonstrated the King and his creative idea on land reform, royal farmland, Mae Ao Basin Development Project, Bang Sai Royal Folk Arts and Crafts Center, Extension Areas of the Model Farms and Community Food Bank Project. On the 2nd floor, it presented Royal Initiated Development and Utilization of Vetiver Grass, Huai Fai Reservoir Royal Development Study Center, Phuphan Extension Areas of the Royal Development Study Center, Ban Thung Somdej Development Project, Mobile Agricultural Clinics and Saiyairak (Bond of Family Love) Project under the patronage of H.R.H. Crown Prince Maha Vajiralongkorn.

Department of Fisheries (Bio Technology 1-2 Building Complex) **Theme:** Department of Fisheries for the King...from Mountain to Sea

A diverse species of fish from different origins were displayed. There were three exhibitions as follows:

- 1) Exhibition 1 showed aquatic animals found on the mountains, such as silver tiger fish, brook loach, pearl danio, Kuhl's creek frog, salamander and economic fishes including trout, soro brook carp and sturgeon.
- 2) Exhibition 2 presented the life of 20 fish species found on flat areas. The fishes from the royal initiated projects together with local fishing tools and farm model were displayed.
- 3) Exhibition 3 presented ecosystem of coastal areas including mangrove trees, mackerel, artificial coral reefs, hinge-beak shrimp, anemone fish and giant clam.

Department of Agricultural Extension

Theme: Hill Tribes after King's Footsteps

The exhibition was presented under the concept of encouraging hill tribe people to follow the royal initiatives through the multimedia. The livelihood of the hill tribes and their agricultural produce and products were displayed.



Cooperative Promotion Department

Theme: King's Thinking, Leading, Doing and Giving

The exhibition on agricultural cooperation was presented as follows:

- 1) **Thinking**: presented the development of biodiesel from used vegetable oils to replace fossil fuel.
- 2) **Leading**: established and promoted dairy industry to enhance better living for Thai farmers.
- 3) **Doing**: introduced temperate crops to the hill tribes to replace opium cultivation.
- 4) **Giving**: looked after poor farmers by lending his money for their initial investment.

The Queen Sirikit Department of Sericulture

Theme: Silk...Reticulating of Life

The exhibition displayed the whole cycle of silk production, starting from life cycle of silkworms, threading, dying and weaving. Processing of mulberry into several products, such as mulberry tea and fresh mulberry products, were demonstrated. Moreover, painting on silk cloths and catwalking in Thai silk costumes, displaying various kind of silk cloths from the Queen project together with old silk cloth originated from different parts of Thailand were shown.

Wastewater Management Authority

Theme: 3Rs Model

The wastewater management was presented using 3Rs (Reuse, Reduce and Recycle) model. Reverse Osmosis (RO) system was installed to work simultaneously with the mobile unit of wastewater treatment system in order to obtain high quality water as required by the World Health Organization (WHO) standard.

Department of Energy Promotion and Conservation, Ministry of Energy

A power-generating tree, consists of an advanced vertical-axis windmill and 3 photo-voltaic solar panels, is an alternative energy source. Visitors can appreciate such an environmental-friendly product specifically designed to suit Thailand's strong sunlight and low wind velocity. Working system of power-generating tree obtains energy through the conversion of wind movements and sunlight into electricity, which is charged into a system of batteries for later use.









INTERNATIONAL HORTICULTURAL COMPETITION

The International Competition during the Royal Flora Ratchaphruek 2011 was one of the key activities conducted to comply with the guidelines of the International Association of Horticultural Producers (AIPH). The competition composed of 18 classes with 121 groups and 642 categories. These were orchid, flowering plant, foliage plant, floral arrangement, vegetable, mushroom, fruits, tea, coffee and international indoor and outdoor garden. The Grand Juries, consisting of 9 members (5 foreign and 4 Thai members), were responsible for the international garden competition while the Class Juries, consisting of 435 persons, were responsible for the competition of orchid, flowering plant, foliage plant, floral arrangement, vegetable, mushroom, fruits, tea and coffee, under the administration of the Horticultural Competition Working Group. The competition was also assisted by the related organizations, such as the Department of Agricultural Extension, Department of Agriculture, Chiang Mai University, Maejo University, Orchid Associations/clubs/societies and other subcommittee.

1. International Indoor and Outdoor Gardens (Classes 17-18)

Fourteen indoor gardens from 11 countries and 3 organizations, namely: Argentina, Brunei, Cuba, Indonesia, Japan, Kenya, Malaysia, Myanmar, the Netherlands, Sudan, Yemen, TFDA: Taiwan Floriculture Development Association, Thai Ornamental Plant Society and Nong Nooch Botanical Garden, were competed.

Competition criteria were designs and arrangements of the garden, national aspects, range/quality of the exhibit materials and communicative/educational value of the presentation.

The winners were as follows:

Supreme Accolade - Indonesia

Premier Accolade - Taiwan Floriculture

Development Association (TFDA)

First Prize - Thai Ornamental Plant Society









For the Outdoor Gardens, the competition was divided into two categories according to the garden size; 1) small garden with an area of less than 750 sq.m. and 2) large garden with an area of more than 750 sq.m. There were 30 international outdoor gardens from 26 countries and 4 organizations, namely: AIPH, Bangladesh, Belgium, Bhutan, Cambodia, Canada, China, India, Indonesia, Iran, Japan and Kyoto/Hyogo/Osaka Province, Kenya, Korea, Laos, Mauritania, Morocco, Nepal, the Netherlands, Pakistan, Malaysia, Qatar, Russia, South Africa, Spain, Sudan, Thailand (represented by Ornamental Plant Society of Thailand and Thai Air Asia Co.,Ltd.), Turkey and Vietnam. All gardens, except AIPH's garden, were competed.

The judging criteria were the presentation innovation, national aspects, quality of the exhibit materials, communicative/ educational value of the presentation, strength of construction and garden maintenance. The gardens were judged twice, on the 13th December 2011 and 13th March 2012.

The results of the competition were as follows:

1. Small garden

Supreme Accolade - South Africa

Premier Accolade - Bhutan
First Prize - Laos







2. Large garden

Supreme Accolade - Horticultural Science Society of

Thailand

Premier Accolade - India

First Prize - Japan

In addition, the AIPH granted the AIPH Excellence Award to the Horticultural Science Society of Thailand.







2. Flowering and Ornamental Plant Competition

2.1 Orchid Competition: Individual Plant, Container Display, Cut Flower and New Species

Held at the Orchid Pavilion within the Royal Flora Ratchaphruek 2011, the orchid competition was hosted by the Department of Agriculture in collaboration with orchid associations, clubs and societies across the country.

There were 110 categories of orchids under the class of the individual plant. They were first judged on 13 December 2011 and every Thursday during the exposition for a total of 13 times. Meanwhile, the competition for container display orchids, cut flowers and new species were judged only three times, on the 1st, 7th and 13th weeks, with a total of 32 orchid categories. Approximately 18,978 orchids from 1,262 competitors were on display.

Awards for the Individual Plant, Container Display, Cut Flower and New Species were listed below.

1.1. Excellent Award for Individual Plant

1st Week Wuttiphan Kisa-nga (Ascocenda, Vascostylis)

2nd Week Kamol Phumplearnphit

(Ascocenda, Vascostylis)

3rd Week Chit Inpra (Dendrobium)

4th Week Charee Srikongsri (Cattleya & Alliance)

5th Week Lt. Gen. Wisut Kong-uthai

(Other species and hybrids)

6th Week Bunkiat Tangchitwimunkul (Rhynchostylis)

7th Week Wasuchaluk Siampakdi (Cattleya & Alliance)

8th **Week** Suwan Hirunworawutthikul (Cymbidium,

Grammatophyllum & Terrestrial Orchids)

9th Week Charoen Sukkitche (Vanda/Hybrids: Red)

10th **Week** Sunan Chaibutr (Cymbidium, Grammatophyllum

& Terrestrial Orchids/ Hybrids)

11th Week Chit Inpra (Paphiopedilum, Phragmipedium,

and Cypripedium)

12th Week Theeraphan Tothirakul (Paphiopedilum,

Phragmipedium and Cypripedium)

13th Week Thana Aramdi (Dendrobium)







2. Excellent Award for Container Display

1st Week No Judgement

7th Week Somsak Bamrungphuet (Other Species)

13th Week Mana Wilaisiri (Dendrobium)

3. Excellent Award for Cut Flower

1st Week Supitcha Miyanyiam (Dendrobium)

7th Week Nuanchan Aramdi (Dendrobium/Others)

13th Week Roengyut Anchalee (Others)

4. Excellent Award for New Species

1st Week Sanon Aphicho (Vanda & Ascocenda)

7th Week Kamol Phumplearnphit (Vanda&Ascocenda)
 13th Week Kamol Phumplearnphit (Vanda&Ascocenda)







5. Popular Award for New Species of Cut Flower

1st Week Suphitcha Miyanyiam (Dendrobium: Phalaenopsis type)

7th Week Mongkol Sunthornchatchawet (Others)

13th Week Suwan Hiranworawutthikul (Dendrobium: semi-Phalaenopsis type)

2.2 Flowering Plant Competition: Cut Flower, Potted Plant and Garden (Class 5-7)

The competition was held by the Faculty of Agriculture, Chiang Mai University during 14-20 December 2011 at the Exhibition Hall 2. A total of 616 flowering plants categorized as cut flowers, potted plants and gardens from 164 participants were competed.

1. Cut Flower Competition was divided into 24 groups, 110 categories; 267 items from 80 competitors. The Excellent Awards were as follows:

1. Anthurium Sarawut Kongto: Pink

2. Sterlitzia reginae (orange) Khun Pae Royal Project Development Center

3. Celosia argentea (yellow) Wanchai Saenkot

4. Chrysanthemum/Dendranthema (standard-double, yellow)

Thaweesak Chaiwicha

5. Liatris (purple) Somporn Nipraphan









6. Gerbera (single, red) Surasit Trikrasaechon

7. Gladiolus (red) Daeng Panyalek

8. Gloriosa (red) Nong Khiao Royal Project Development

Center

9. Heliconia (pink) Nathakitta Khamnu

10. Hydrangea (white) Khun Pae Royal Project Development

Center

11. Lily (Formolongo group, white) Inthanon Royal Agricultural

Station (Royal Project Foundation)

12. Curcuma spp. (pink)
13. Alstroemeria (yellow)
14. Rose (Hybrid tea, large white)
15. Snapdragon (pink)
Yang Kram Center
Daengsri Chulsiri
Chatri Chaiwattanai
Somchai Saeyang



2. Flowering Pot Plant Competition was divided into 22 groups: 96 categories; 337 items from 72 competitors.

Excellent Awards for this category were as follows:

- African Violet (1 plant/4-inch pot, single flower, purple)
 Yuttana Wongsida
- Hippeastrum (Amaryllis) (1 plant/8-inch pot, red)
 Inthanon Royal Agricultural Station (Royal Project Foundation)
- 3. Begonia (1 plant/6-inch pot, pink)

Nantiya Sakayakosit Samperflorence

- 4. Chrysanthemum/Dendranthema (5 plants/6-inch pot, red inflorescence) Sompan Khobnet
- Adenium (Arabicum type, more than 30 cm high)Pakorn Thaiyanan



6. Euphorbia milii (single plant)

Wichai Sriwongpornthana

7. Fuchsia (hanging basket, 3 plants/8-inch pot, white)

Wanchai Torkhapulu

8. Impatiens sp. (New Guinea type) (1 plant/6-inch pot, pink)

D.K. Garden

9. Lily (Oriental group, 1 plant/7-inch pot, pink)

Inthanon Agricultural Station (Royal Project Foundation)

10. Curcuma spp. (Paracurcuma and Eucurcuma, 1 plant/8-inch pot, pink)

Ban Rai Flower and Fruit Propagation Service Center

11. Petunia (1 plant/6-inch pot, white)

D.K. Garden

12. Rose (1 plant/6-inch pot, pink)

Wiratchada Lertwilai

13. Torenia (1 plant/6-inch pot, pink)

Nantiya Sakayakosit

14. Zygocactus (3 plants/6-inch pot, pink)

Kasem Sribunpan

3. The garden competition with an area of 20 sq.m. was divided into 1 group: 2 categories; office interior spot garden and front yard home spot garden, 12 gardens from 12 participants were competed. Excellent Awards were as follows:

1. Office interior spot garden Flowering Section, Royal Project Foundation

2. Front yard home spot garden Kwan Kao-ngieo

2.3 Foliage Plant: Potted Plants and Garden (Class 8-9)

The competition was organized by the Faculty of Agricultural Production and the Faculty of Architecture and Environmental Design, Maejo University during 6-12 January 2012 at the Exhibition Hall 2. A total of 2,140 exhibit items from 141 participants were competed.













Excellent Awards were as follows:

1. Anthurium (others)

Wilawan Chaichana

2. Philodendron

Wilawan Chaichana

Aglaonema (single stem, erect stem; leaf blade w/o pink or red color, white/pink petiole)

Phongsakorn Pornchaicharoen

4. Dieffenbachia (single stem, broad leaf)

Songtham Aranyakanon

5. Foliage Begonia (spreading stem, large leaf, plant more than 20 cm in size)

Sri-on Intapanya







| 6. Calathea | Tosaporn Bunsukkha |
|----------------------------|---------------------|
| 7. Bromeliad | Chulaporn Sriwichai |
| 8. Cactus (Cereus group) | Boribun Bunwas |
| 9. Succulent Plants (Aloe) | Chaiwat Rakthanakul |

Caladium (single plant, more than 8 inches high)
 Prida Rungrot

Codiaeum (Croton) (single stem, large round leaf)
 Somsak Kerdrungrueng

12. Dracaena (Dracaena sanderiana) Wilawan Chaichana

13. Cordyline Ornanong Art-arsa14. Fern (*Pyrrosia*) Sathirawat Kamphiranon

 Miniature and Bonsai (style plant, large cascade, container equal or more than 30 cm diameter)

Sutthari Kueankeo

| 16. Variegated Plants | Somsak Sawasdirak |
|-----------------------|--------------------|
| 17. Others | Tosaporn Bunsukkha |

Garden competition was divided into 3 categories; relax corner garden, imaginative garden and vertical garden.

A total of 15 gardens from 15 participants were competed.

| Excellent Award | Weeraphol Khampho |
|-----------------------|-------------------|
| First Prize | |
| - Relax Corner Garden | Weeraphol Khampho |
| - Imaginative Garden | Poramin Naratha |
| - Vertical Garden | Nattawut Bunma |

2.4 Vegetable, Mushroom, Fruits, Tea and Coffee (Class 11-16)

The competition was held by the Department of Agricultural Extension during 10-16 February 2012 at the Exhibition Hall 1. A total of 1,069 items from 471 participants were competed.

Mushroom was divided into 6 categories namely Shiitake, Poplar Fieldcap (Ya Na Ongi), Ling Zhi, *Pleurotus* sp. from Bhutan and Hungary and Ear Mushroom. There were 34 items from 24 competitors.

First prizes were as follows:

- Shitake Mushroom Sukhon Sriwichai
- Pleurotus sp. from Hungary Surachai Khamtan

Fruits were divided into 23 groups, 36 categories, namely mango, durian, pineapple, banana, young coconut, guava, grape, jackfruit, pummelo, papaya, rose apple, tangerine, sala, strawberry, Marian plum (Maprang and Mayong Chit), sweet tamarind, longan, starfruit, sapodilla, jujube, sweet orange (Som Kliang) and acidless orange (Som Tra). There were 868 items from 366 competitors.

First prizes were as follows:

1.1 Nam Dok Mai Si Thong

3.3 Kluai Namwa

1. Mango

| _ | • |
|----------------------|-----------------------|
| 1.2 Khiao Sawoei | Samphao Ombuengphrao |
| 1.3 Nam Dok Mai No.4 | Pitak Phraesri |
| 2. Pineapple | |
| 2.1 Pattawia | Sunthorn Lanrianthong |
| 2.2 Trat Si Thong | Anchalee Chuhong |
| 3. Banana | |
| 3.1 Kluai Hom Thong | Suchart Teksa-nguan |
| 3.2 Kluai Khai | Suchart Teksa-nguan |

Sudjai Miphraithun

Suchart Teksa-nguan







| 4. Young coconut | Kruek-rit Nantawiang |
|------------------------|----------------------|
| 5. Guava | |
| 5.1 Paen Si Thong | Sunisa Teksa-nguan |
| 5.2 Kimju | Sunisa Teksa-nguan |
| 6. Grape | |
| 6.1 Green color | Sin Teksa-nguan |
| 6.2 Red color | Suchart Teksa-nguan |
| 7. Pummelo | |
| 7.1 Redish-pink flesh | Yupha Ngambanchong |
| 7.2 White-yellow flesh | Thanomchit Orchard |
| 8. Papaya | |

8.1 Khaek Dam

8.2 Plak Mai Lai

10. Tangerine

9. Rose Apple (Thapthim Chan)

Orawan Samabutr

Jane Changluadlai

Theeranuch Wisitthawong

Sin Teksa-nguan





| 11. Sala | Preecha Piyarom |
|-------------------------------|-----------------------|
| 12. Strawberry | Yaephor Kerade |
| 13. Marian Plum (Mayong Chit) | Nakorn Buaphan |
| 14. Sweet Tamarind | |
| 14.1 Si Thong | Chamlong Hengkhamkaew |
| 14.2 Si Chomphu | Watcharee Saengtawan |
| 14.3 Prakai Thong | Jiworn Chankhun |
| 15. Longan (I Do) | Suthep Sorana |



16. Starfruit Somchai Charoensuk

17. Sapodilla

17.1 Kra Suai Sunisa Teksa-nguan
17.2 Ma Kok Sin Teksa-nguan

18. Jujube Sin Teksa-nguan

19. Sweet Orange (Som Kliang) Ong-art Budrat

20. Acidless Orange (Som Tra) Somchai Kiattikhun

Potted Fruit was divided into 5 categories namely strawberry, cherry, orange, lime and other fruits. A total of 42 items from 25 participants were competed.

First prizes were as follows:

1. StrawberryDamrong Prasertwongphana2. OrangeNattaphon Wisitthawong

3. Lemon Wittaya Phothaya

Garden design in a house area was divided into 2 categories, namely vegetable and fruit garden. A total of 20 gardens from 19 participants were competed.

First prizes were as follows:

Vegetable garden Nopphasit Sighprasert
 Fruit garden Suphattra Chancharoen

Fruit arrangement decoration for catering. There were of 5 sets from 5 participants were competed. The Excellence Award winner was Thipphawan Tangmahasathitkul.



Tea and Coffee was divided into 2 groups and 6 categories which were tea products and coffee bean.

A total of 100 items from 71 participants were competed.

First prizes were as follows:

1. Tea Products

1.1 Green Tea from Assam Tea

Chamras Phankhapuang

1.2 Green Tea from Chinese Tea

Chanya Chivinkulthong

1.3 Oolong Tea from Chinese Tea No.12

Chamroen Chivinchalermchot

1.4 Oolong Tea from Chinese Tea No.17

Chamroen Chivinchalermchot

1.5 Black Tea from Assam Tea

Kwanchai Mimala

2. Arabica Coffee Bean Pha Hi Coffee Community Enterprise

2.5 Flower Arrangement (Class 10)

The competition was organized by World Flower Council during 8-14 March 2012 at the Exhibition Hall 2. It was divided into 8 groups, 22 categories which were bouquet, special flower arrangement, basic arrangement, high design arrangement, commercial arrangement, botanical garden, flower jewelry and table arrangement. A total of 432 competitors were participated.

First prizes were as follows:

1. Bouquet

1.1 Orchid Bouquet Chayaphol Singhaluk
1.2 Valentine Bouquet Chayaphol Singhaluk
1.3 Hand-tied Bouquet Erik Wesse Ling
1.4 Bridal Bouquet Surasak Chaichumpa

2. Basic Arrangement

2.1 Tall arrangement Chayaphol Singhaluk2.2 Low arrangement Chayaphol Singhaluk

3. Special Flower Arrangement

3.1 Orchid arrangement Triphol Kaewnet
3.2 Lotus arrangement Phiraphong Pet-ri
3.3 Artificial flower arrangement Kha To Duy

4. High Design Arrangement

4.1 Hotel lobby arrangement Triphol Kaewnet4.2 Cocktail table arrangement Wimala Khampan

4.3 Flower stand arrangement Triphol Kaewnet







5. Commercial Arrangement

5.1 Wreath Nirat Prangthong
5.2 Vase Ratsarin Suriyasrithanakit
5.3 Basket Sadudi Chun

6. Botanical Garden

6.1 Plant arrangement Chakkaphong Sang-ngam6.2 Vegetative arrangement Nirat Prangthong

7. Flower Jewelry

7.1 Flower for hair Chayaphol Singhaluk
7.2 Body flower Chayaphol Singhaluk
7.3 Bridal floral jewelry Surasak Chaichumpa

8. Table Arrangement

8.1 Round table centerpiece Kha To Duy

8.2 Oblong table arrangement Chayaphol Singhaluk









3. Other Special Prizes

Special prizes were awarded to the corporate gardens based on the survey of visitors, conducted during the exposition.

The results were as follows:

1. Popular Vote Prize for Beauty

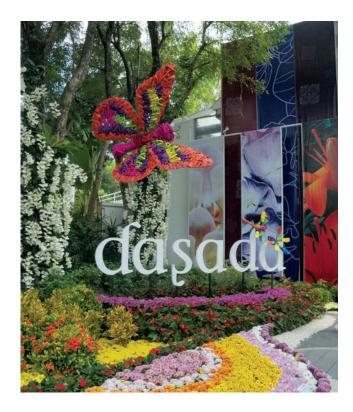
Dasada Garden by PSP Specialty Co. Ltd., under the concept of "Express the Love for Humanity-Flowers".

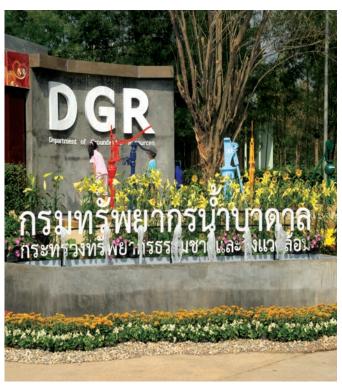
2. Popular Vote Prize for Creativity

Ground Water Pavillion by Department of Ground Water, Ministry of Natural Resources and Environment

3. Honor Prize for Agricultural Innovation

CP Garden by Charoen Pokphand Group, under the concept of "Improvement and Enhancement of Thai Agricultural Produces together with Life Empowerment for Sustainability, Better Life Quality and Happiness".















CONFERENCES

A number of international and national conferences were organized throughout the period of the Royal Flora Ratchaphruek 2011. They were another key activity on horticulture. Experts and participants from several countries were invited to give lectures and exchange information at the conferences. The topics covered biotechnology, plant production, management technologies and logistics to improve the quality and efficiency of production, thereby increasing the value of the products and their competitiveness in the world market. The participants were from the following countries: Australia, Cambodia, China, Denmark, Egypt, Fiji, Laos, Hungary, India, Indonesia, Kenya, Malaysia, Mexico, Nigeria, the Philippines, Portugal, Sri Lanka, Taiwan, Thailand, Turkey, the United States and Vietnam. These activities were officially supported by the International Society for Horticultural Science (ISHS), Horticultural Science Society of Thailand and other organizations, both public and private agencies.

Objectives:

- 1. To inform the participants of global situation in horticultural production and marketing.
- 2. To provide information to researchers, academics, students, farmers and business communities
- To enable an exchange of ideas and experiences among participants.
- To be an academic activity in the Royal Flora Ratchaphruek 2011.



Framework:

- 1. The conferences covered all topics of horticultural crops, namely fruits, vegetables, ornamental plants, medicinal plants, industrial crops and the related topics.
- 2. The contents covered biotechnology, plant production, plant protection, post-harvest technology and marketing.
- 3. All guest speakers were experts, who were well recognized in their areas of expertise.
- 4. The cooperation among public and private agencies, both national and international, were obtained.
- 5. Professional excursion related to each conference and one day trip to the Royal Flora Ratchaphruek 2011 were arranged for the participants.



Participants

Approximately 4,500 participants attended the Conferences. They were researchers, lecturers, students, farmers and business communities from Thailand and abroad.

Duration

Conferences were held throughout the Royal Flora Ratchaphruek 2011 Exposition

Number of Conferences:

A total of 21 conferences/workshops consisted of 14 international and 7 national conferences/workshops.

Conferences: International Level

1. The Role of Agriculture and Natural Resources on Global Change

Organized by the Faculty of Agriculture, Postharvest-Technology Innovation Center and Upper Northern Research Administration Network of Chiang Mai University, Kasetsart University (Thailand), Kyushu University, Kobe University, Tokyo University of Agriculture and Technology (Japan) and University of Hohenheim (Germany), supported by the Department of Agriculture. The Conference was held during 7-9 November 2011 at The Imperial Mae Ping Hotel, Chiang Mai. There were 200 participants attended the conference.

Objectives: To set the forum for exchanging knowledge and experiences among scientist in agriculture and natural resource managment related to climate change and to seek collaboration for the future networking.

2. The International Harmonization Workshop on Standards for Fresh Fruit and Vegetables for Asian Countries

Organized by Horticultural Science Society of Thailand, Department of Agriculture, National Bureau of Agricultural Commodity and Food Standard, and United Nations Economic Commission for Europe (UNECE). The workshop was held during 14-17 November 2011 at Centara Duangtawan Hotel, Chiang Mai. There were 60 participants attended the workshop.

Objective: To establish the standards for fresh produces, from farms to tables, among the Asian countries.

The topics included the standards for mangoes, asparagus, pineapples and chilies, which are major export produces from Asian countries. Participating countries would gain trade advantage over trading partners if the Asian production standards reach the international level. The workshop on standard control of agricultural produce by visual grading of fresh fruits was also held.

3. The Training of Trainers Program on Horticulture Chain Management to Reduce Losses and Improve Safety and Quality for GMS Countries

Organized by the Food and Agriculture Organization of the United Nations (FAO) and Department of Agriculture. The training was held during 12-18 December 2011 at Chiang Mai Orchid Hotel, Chiang Mai. There were 40 participants attended the training course.

Objective: To manage the horticultural chain for maximizing benefits, particularly the substandard quality of post-harvest produces.

Activities: Training of Trainers Program or TOT was launched to promote, support and create good management.

4. The 22nd Congress of the International Sericultural Commission

Organized by the Department of Sericulture and International Sericultural Commission. The congress was held during 14-18 December 2011 at Centara Duangtawan Hotel, Chiang Mai. There were 400 participants attended the congress.

Objective: To provide a forum for scientist and participants, both public and private sectors, to exchange understanding and experiences in sericulture. It was also aimed to promote the identity of Thai culture and Thai silk.

There were 46 oral presentations and 7 posters on topics which covered biology, production, post-harvest technology and economics.







5. The 2011 IRRDB International Rubber Conference

Organized by the International Rubber Research and Development Board (IRRDB) and Rubber Research Institute, Department of Agriculture. The Conference was held during 14-17 December 2011 at Le Meridien Chiang Mai Hotel, Chiang Mai. There were 336 participants attended the conference.

Objective: To increase the values of rubber in various forms based on the theme "Towards a Better World and Quality of Life: Challenges and Opportunities for the Natural Rubber Industry". Maintenance and management of rubber plantations were also included.

The program included 6 oral presentations, 71 posters and special lectures on "Development and Improvement of Rubber Varieties in Thailand", "Solution of Rubber Diseases", and "How to Increase the Values of Rubber".

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6. The International Symposium on Medicinal and Aromatic Plants

Organized by Department of Agriculture, Horticultural Science Society of Thailand, and International Society of Horticultural Science (ISHS). The symposium was held during 15-18 December 2011at The Empress Hotel, Chiang Mai. There were 205 participants attended the symposium.

Objectives: To share knowledge and experiences on production and marketing of medicinal and aromatic plants, and to provide a forum to allow the exchange of valuable views and to give an opportunity to introduce the rich divercity of medicinal and aromatic plants in the region and its trade potentials.

The symposium indicated the economic potentials and trade values of medicinal and aromatic plants through 30 oral presentations, 52 posters and 4 keynote lectures viz. "Heritage of Chiang Mai Declaration on MAPs vs Recent Trends in Medicinal Plant Utilization and Research", "Curing Incurable Alzheimer's Disease with Thai Medicinal Plants", "Thai Traditional Medicine for Cancer Treatment" and "ASEAN Harmonization in Regulation of Herbal Medicinal Products". Professional excursion to either Bee Product Industry Co.,Ltd. and Tweechol Botanical Garden in Chiang Mai or to The Thai Elephant Conservation Center and the Lampang Herb Conservation in Hang Chat District of Lampang were organized.





7. The 3rd International Symposium on Papaya

Organized by the Department of Agriculture, Horticultural Science Society of Thailand and International Society of Horticultural Science (ISHS). The symposium was held during 19-22 December 2011 at The Imperial Mae Ping Hotel, Chiang Mai. There were 101 participants attended the symposium.

Objectives: To share experiences and academic knowledge on papaya production and marketing and to provide a forum to allow the exchange of valuable views and to give an opportunity to introduce the rich diversity of papaya in the region and its trade potential.

There were 25 oral presentations and 11 posters, covering the topics of breeding, physiology and post-harvest technology, together with special lectures on "GMO Papaya Development in the USA", "'Tropical Fruit Cocktail Processing Industry in Thailand", "Successful productiob of Hybrid Papaya in Malaysia", 'The Non-Transgenic Technologies for the Development of Papaya Ringspot Resistance in *Carica papaya* (L)", "Current Status of Papaya Production in Thailand", "'Recent Development in Post-Harvest Technology of Papaya", "'The Breakdown of Transgenic Resistance of Papaya by Super Strains of Papaya Ringspot Virus and the Solution". Professional excursion was organize to visit the papaya seed production of the Triangle Seeds Co.,Ltd.

8. The International Symposium on Tropical and Subtropical Fruits

Organized by the Department of Agriculture, Horticultural Science Society of Thailand and International Society of Horticultural Science (ISHS). The symposium was held during 19-22 December 2011 at The Imperial Mae Ping Hotel, Chiang Mai. There were 198 participants attended the symposium.

Objectives: To share experiences and academic knowledge on tropical and subtropical fruits production and marketing and to provide a forum to allow the exchange of valuable views and to give an opportunity to introduce the rich diversity of tropical and sub tropical fruits in the region and its trade potential.

The Symposium included of 35 oral presentations and 40 posters on the topics of physiology, plant protection, plant improvement and post-harvest technology. Special lectures on "Advanced Biotechnology in Certain Tropical Fruits Worldwide and in Australia", Advances in Tropical and Subtropical Fruits Biology: USA", "Overview of Litchi Production in the World", "Tropical and Subtropical Fruits Production in Thailand:GAP", "Tropical and Subtropical Fruits and Human Health", "Recent Advances in the Postharvest Management of Papaya" and "Internal Browning in Pineapple: Role of Calcium, Membrane Composition and Antioxidant System" were presented. Professional excursion to the Maejo Longan Research and Development Center, Maejo University and a GAP longan farm at Doi Lohin Chiang Mai district in Chiang Mai were arranged.









9. The International Symposium on Orchids and Ornamental Plants

Organized by the Department of Agriculture, Horticultural Science Society of Thailand, and International Society of Horticultural Science (ISHS). The symposium was held during 9-12 January 2012 at The Imperial Mae Ping Hotel, Chiang Mai. There were 180 participants attended the symposium.

Objectives: To provide an opportunity to participants to exchange views and experiences on the advancement of horticultural technologies particulally for orchids and ornamantal plants.

The symposium included 24 oral presentations and 66 posters, together with special lectures on "The Concepts of Righteousness and Fairness in the Conservation of Horticultural Plant Specimens in the Wild of Tropical Countries", "Newly Discovered Plants that Bear the Name of H.R.H. Princess Maha Chakri Sirindhorn", "Biodiversity and Status of Thai Native Orchids", "Orchid improvement in Taiwan", "Flowering Physiology of Chrysanthemum", "The Status of Orchid Export of Thailand" and "Biodiversity of Flowering on Ornamental Plants of Myanmar". Professional excursion was organized to visit the Queen Sirikit Botanic Garden in Mae Rim District and Dasada Orchid Center in Mae Taeng District of Chiang Mai.

10. The 12th SABRAO Congress on Plant Breeding towards 2025: Challenges in a Rapidly Changing World-An International Conference to Celebrate H.M. King Bhumibol's 84th (7th Cycle) Birthday Anniversary

Organized by the Society for the Advancement of Breeding Research in Asia and Oceania (SABRAO) and the Plant Breeding and Multiplication Association of Thailand (PBMAT) sponsored by the International Rice Research Institute (IRRI), the Department of Agriculture, Khon Kaen University, Maejo University and Kasetsart University. The Congress was held during 3-16 January 2012 at The Empress Hotel, Chiang Mai. There were 300 participants attended the congress.

Objectives: To present the research advancement in plant breeding and seed multiplication of rice, field crops, horticultural crops and trees in Asia and Oceania and to share knowledge and exchange opinions on plant breeding with experts.

The presentations were contributed by 25 invited lecturers, in addition to 57 oral presentations and 77 posters. Topics covered crop biodiversity, bioinformatics, breeding techniques and application of molecular marker technique, new field crop varieties and their nutritional values.

11. The International Symposium on Banana

Organized by the Department of Agriculture, Horticultural Science Society of Thailand, International Society of Horticultural Science (ISHS), Biodiversity International and Banana Asia and Pacific Network (BAPNET). The Symposium was held during 23-26 January 2012 at The Empress Hotel, Chiang Mai. There were 300 participants attended the symposium.

Objectives: To provide an opportunity for participating scientists to exchange views and experience for the advancement of horticultural technologies for banana.

There were 37 oral presentations and 7 invited lectures, namely: "The R&D Challenges to Sustain the Banana Industry for Food Security, Poverty Alleviation: Potential Implications of Climate Change", "Climate Change and Its Effect on Global Banana Production", "Occurrence of Multiple Male Buds in Banana", "Pests and Diseases: A Continuing Challenge in the Sustainability of Banana Production in Asia", "Mitigating the Global Threat Posed by Fusarium Wilt Tropical Race 4", "A Single Test for All Banana Pathogens: Fantasy or Future Reality?" and

"Recent Banana Geographical Production in Thailand". Professional excursion was arranged to visit the Queen Sirikit Botanic Garden in Mae Rim District and Tweechol Botanic Garden in Doi Saket District of Chiang Mai. posed by Fusarium wilt tropical race 4", "the single test for all banana pathogens: fantasy or future-reality?" and "Recent banana geographical production in Thailand". The field trip was made to the Queen Sirikit Botanic Garden in Mae Rim District and Tweechol Botanic Garden in Doi Saket District of Chiang Mai.

12. The Regional Symposium on High-Value Vegetables in Southeast Asia: Production, Supply and Demand

Organized by the Department of Agriculture, Horticultural Science Society of Thailand and The World Vegetable Center (AVRDC) The symposium was held during 24-26 January 2012 at Lotus Pang Suan Kaew Hotel, Chiang Mai. There were 300 participants attended the symposium.

There were 52 oral presentations and 55 posters, covered topics of integrated pest management, production, cultivation, nutrition, marketing and economic chain and sustainable vegetable development. Special lectures on the increasing role of vegetables in food security and nutrition as well as revenue generation of vegetable in Asia were presented. Professional excursion to the East West Seed Co.,Ltd., Maejo University and Q-Shallot (Thailand) Co.,Ltd. was organized.





13. The International Conference on Tropical and Sub-tropical Plant Diseases 2012: Plant Diseases in Agriculture and Food Security

Organized by The Thai Phytopathological Society, Department of Agriculture, Kasetsart University, Chiang Mai University and Maejo University. The Conference was held during 7-10 February 2012 at The Empress Hotel, Chiang Mai. There were 200 participants attended the conference.

Objective: To promote and encourage the understanding, interest and study of phytopathology among researchers, students, farmers and agriculturist in order to increase yield and productivity of crops to meet the challenges of global warming.

There were 49 oral presentations and 75 posters together with special lectures by experts from China, Japan and Thailand.



14. The 1st ASEAN Arabica Coffee Workshop

Organized by the Department of Agriculture, Royal Project Foundation, Thailand Coffee and Tea Association, Pakxong Highland Co.,Ltd. and Nestle (Thai) Co.,Ltd. The workshop was held during 13-14 February 2012 at Holiday Inn Hotel, Chiang Mai. There were 60 participants attended the workshop.

Objective: To allow Arabica coffee producing countries in ASEAN to share their knowledge and experiences on the global production and marketing and to draw more collaboration and activities among ASEAN countries to promote the Arabica coffee industry.





Conferences: National Level

1. The Conference on Mushroom: "Love Mushroom Save The Earth"

Organized by The Mushroom Researchers and Growers Society of Thailand, sponsored by the Department of Agriculture, Highland Research and Development Institute (Public Organization), National Science and Technology Development Agency, Biodiversity-based Economy Development Office (Public Organization), Agricultural Research Development Agency (Public Organization), Sawita Foundation, Khon Kaen University, Chiang Mai University, Ubon Ratchathani University and Rajamangala University of Technology Tawan-ok. The Conference was held during 14-17 December 2011 at The Chiang Mai Orchid Hotel, Chiang Mai. There were 200 participants attended the conference.

Objectives: To present the research works on mushroom which can be classified into 3 categories: 1) production technology 2) posthavest and processing technology including the utilization of mushroom extracts as health foods, medicines, cosmetics and pesticides and 3) biology, diversity and classification of mushrooms in natural habitats.

Professional excursion was arranged to visit the button mushroom (Champigon) and Shiitake farm in Wiang Pa Pao District of Chiang Rai.

2. The 9th Symposium on Developing Lotus and Water Lily to be Economic Crops

Organized by the Rajamangala University of Technology Tawan-ok and the Horticulture Research Institute, Department of Agriculture. The symposium was held during 21-23 December 2011 at Centara Duangtawan Hotel, Chiang Mai. There were 200 participants attended the symposium.

Objectives: 1) To provide knowledge of the species and varieties of lotus and water lily, as well as their cultivation and conservation. 2) To share experiences and exchange information among the participants on the recent advancement in lotus and water lily research and 3) To encourage collaboration among researchers/stakeholders for future's studies.









3. The 11th National Horticultural Congress: Creative Horticulture towards AEC 2015

Organized by Department of Agriculture, Horticultural Science Society of Thailand, Kasetsart University, Maejo University and Chiang Mai University. The congress was held during 1-3 February 2012 at The Empress Hotel, Chiang Mai. There were 350 participants attended the congress.

Objectives: 1) To present the recent advancement of horticultural sciences and 2) To provide the forum for young researchers with the opportunity to meet recognized scientists in horticulture.

4. The Coffee Symposium: Environmental-Friendly Coffee

Organized by the Department of Agriculture, Royal Project Foundation, Thailand Coffee and Tea Association, Nestle (Thai) Co.,Ltd. and Pakxong Highland Co.,Ltd. The symposium was held during 15-16 February 2011 at Holiday Inn Hotel, Chiang Mai. There were 180 participants attended the symposium.

Objective: To provide an opportunity to academics, entrepreneurs, farmers, coffee growers and the general public to share their information and opinion on the present and future production and marketing of Thailand's coffee industry.

The information obtained from the symposium would be used as the guideline to set out the direction for Thailand's coffee production and marketing in the future. Special lectures and discussions were given on the topics of production, demand, and innovative products of coffee for higher quality in order to develop high quality coffee and acceptable in the ASEAN community.



${\bf 5. The \, Symposium \, on \, Coconut: \, An \, Economic \, Crop} \\$ for Health and Beauty

Organized by the Department of Agriculture, the Asian and Pacific Coconut Community (APCC) and the Conservation and Development of Coconut Oil of Thailand Forum. The symposium was held during 17-18 February 2011 at Holiday Inn Hotel, Chiang Mai. There were 161 participants attended the symposium.

Objective: To study and disseminate knowledge on the benefits of coconut and coconut oil as well as the methods to increase the values of coconut oil in order for related people, such as entrepreneurs and farmers to make maximum utilization of the coconut oil.

Presentations were made through special lectures, discussions and exhibitions of coconut and coconut oil. Topics of lectures covered the national and global production and marketing situation and its trend for the next decade. In addition, production and cultivation factors, demand of coconut in the next decade and utilization of coconut. The protection and prevention of obesity, stroke and Alzheimer's disease by using coconut oil from the physician and academic's viewpoints were also discussed. Exhibition of coconut was displayed.



6. The Citrus Symposium: "Past and Future of Thai Citrus Industry"

Organized by the Department of Agriculture and the Horticultural Science Society of Thailand. The symposium was held during 21-22 February 2012 at The Empress Hotel, Chiang Mai. There were 250 participants attended the symposium.

Objective: To find the solution for citrus industry in Thailand.

The symposium comprised special lectures and discussions on the solution of greening diseases and the impact of FTA between Thailand and China.

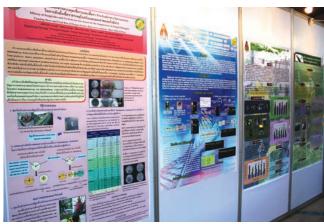
7. The 10th National Symposium on Crop Protection

Organized by the Department of Agriculture, the Thai Agro Business Association, Entomology and Zoology Association of Thailand, The Thai Phytopathological Society, Weed Science Society of Thailand, Thai Society of Agricultural Engineering and Thai Crop Protection Association. The symposium was held during 22-24 February 2012 at Khum Phucome Residence Hotel, Chiang Mai. There were 300 participants attended the symposium.









Objectives: 1) To present the research works on crop protection which covered entomology and zoology, crop diseases and microbiology, weed science, agricultural engineering and post-harvest technology and 2) To share knowledge and exchange experiences among participants from both public and private sectors.

The symposium was composed of special lectures, discussions, research presentations and professional excursion. Topics of lectures included "Impacts of Global Warming on Food Crops and Agricultural Economy", "Crop Protection within the Royal Projects", "Crop Protection and Agricultural Engineering", "Agricultural Disaster from Brown Planthopper", "Genetically Modified Organisms", "Weed Problems under Global Warming Situation" and "Greening Disease: Calamity of Citrus Orchards?". Besides, exhibition and photo contest were also organized.





7. SPECIAL EXHIBITIONS

7.1 Cultural Performances

The cultural and musical performances were made possible with the collaboration of more than 10 participating countries and 6 organizations of Thailand. A series of spectacular performances were performed every month, either on special occasions or festivals of participating countries, to entertain the visitors.

December

The Republic of South Korea

"Korean Traditional Dance, Samulnori and Samulpangud Performance", reflecting the styles of living, elegant cultures and entertainment, performed on 15 December 2011 at the Amphitheatre and 16 December 2011 at the Music Theatre.





Indonesia

"The Song from Bamboo by Bianglala Elementary School from Bandung", displaying the Angalung or folk musical instruments and beautiful dancing, were performed on the 15-16 December 2011 at the Amphitheatre.



Malaysia

"The State Folk Dance Group", a fan dance displaying the cultural beauty with national costumes and unique dancing styles, were performed on the 15-16 December 2011 at the Amphitheatre.



Argentina

"Tango Dance" was beautifully performed by professional dancers, on the 17-20 December 2011 at the Music Theatre.



Independent Flying Club Thailand

Beautiful birds, such as macaws and ten other species were on display without cage showing natural living environment, on the 16-18 December 2011, at the Ratchaphruek Square.



GMM Grammy Co.,Ltd.

Cartoon characters, such as Bird Thongchai, Lilly, Jemy, Derek and Hun from Byrdland, a popular animated television series, performed a lot of activities and games to entertain children and visitors, during 27-30 December 2011 at the Music Theatre.



Dairy Farming Promotion Organization of Thailand

The 'Cow Boy' show with question-answer games and free milk for everyone, performed on the 31 December 2011 at the Music Theatre.



Electricity Generating Authority of Thailand (EGAT)

The "Brave Heart Stage" activity featuring singing and dancing contests, judged by the representatives of both EGAT and Project Management Office, was performed on the 31 December 2011 at the Music Theatre. This performance attracted many visitors.



Chiang Mai Paramotor

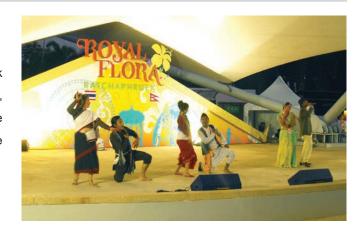
The sky paramotor riders released the colorful smoke and the ballots for visitors to draw souvenirs. At the end of the show, the paramotors were beautifully landed on the Ratchaphruek Square. This activity was performed on the 31 December 2011.



January

Nepal

Several Nepali cultural dances, such as Peacock Dance, Mask Dance, Bhairab Dance and Newari Dance, indicating the national identity, costumes and unique cultures, were performed during 12-14 January 2012 at the Amphitheatre.



Laos PDR

Folk dance, musical performance, bamboo mouth-organ and fashion show of silk costumes, were performed on the 16 January 2012 at the Ratchaphruek Square.



Kenya

"Acrobatic Dance Show" regarded as the challenging dance in harmony with rhythms, displaying strength, unity and enjoyment, were performed during 17-19 January 2012 at the Ratchaphruek Square.



Turkey

Turkish Folk Dance portraying the love themes and emotions, were performed during 18-19 January 2012 at the Ratchaphruek Square and the Music Theatre.



Japan

The "AUN" band, one of the most popular music bands in Japan, performed on the 22 and 28 January 2012 at the Ratchaphruek Square. Apart from beautiful songs and music, a combination of rock 'n' roll, ambient music and drum 'n' brass perfectly portrayed the ancient tradition and modern world. The band also performed the Lanna folk music with musicians from Chiang Mai. In addition, the Cosplay Fashion Show and Anime Song Performance were shown.





The Demonstration School of Silpakorn University, Nakhon Prathom

A spectacular musical dance with the "Kruruphubphachart" song, performed by the students on the 29 January 2012 at the Music Theatre. The show expressed the beauty of orchid and drew the attention from visitors.



February

India

"Bhangra Troupe from Punjap" performed a joyful and rhythmic dance of Punjap's Indians or Punjabi, during 21-22 February 2012 at the Ratchaphruek Square.



March

Indonesia

Several shows from Yogyakarta, Java, included "Golek Menak Bawarage Asmaradana, Lawung Jajar, Beksan Menak Putri and Yogyakarta folk musical show were performed during 12-14 March 2012 at the Ratchaphruek Square. Besides, part of Ramayana: Anoman Senggono Duto", narrating the story of Ramayana in the Javanese style, was shown.



7.2 Water Curtain Show

The water cascade was used as a screen to present "The Miracle of Greenitude" through 4D light and sound effects at the Ratchaphruek Lakeside. The story described the richness and abundance of water, forest, paddy fields, farming practices and folk lifestyles under sufficient economy policy of Thailand. Due to destructive of beautiful nature, Nong Khun and his buddies jointly created the power of "GREENITUDE" to save the planet and brought back the beautiful and richness of nature. This show was performed every night throughout the 90-days period of the exposition. The show was very beautiful and astonishing.







7.3 Electric Parade

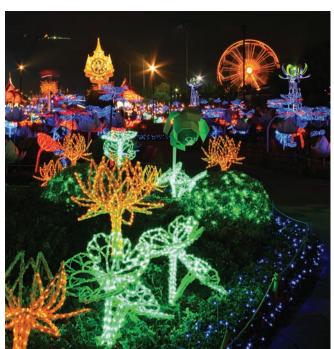
The "Electric Parade of Royal Flora 2011" dazzled the audiences with colorful lighting effects. It comprised of 9 processions: Royal Ratachaphruek 2011, Happy Five Buddies, Amazing Bug World, Queen of Flora, Light of International Friendship, Clean World for Bright Future, Love for Thai Family, World-class Craftsmanship and Long Live the King: 84th Birthday Anniversary. All processions were beautifully decorated with colorful lights, creating enjoyment and impressive memories to the visitors. The parade marched nightly, from the Royal Pavilion towards the Ratchaphruek Square.





7.4 Imagination Light Garden

One of the three most astonishing shows, Imagination Light Garden featured millions of lights with glowing butterflies, together with the interactive leaves, programmed by the computer, dancing and moving in harmony with the music. Moreover, the solar-cell powered flowers vowed the visitors with their spectacular night lightings.







7.5 Kid's Eco Park

Praised as one of the most outstanding shows of the Royal Flora Ratchaphruek 2011, Kid's Eco Park entertained the children with interactive and mixed media, telling the stories of nature and surrounding environment. It also instilled an awareness of reducing global warming and natural conservation to the young generation. Three learning stations provided ecological knowledge through cartoon animation of five mascots, focusing on the necessity of soil, water, wind and sunlight as well as ways to balance the ecological system.

Station 1: Presenting the story on Din Cham (fertile soil) and Nam Sai (clean water). Din Cham represents fertile soil that is essential for plant productivity, leading to food security. Nam Sai represents clean water that is essential for all living things. Without water, everything can not exist. Several computerized games provided images on the screen for the children. They were hand-hitting the cushion showing soil tillering and hand-waving showing rainfall.



Station 2: Presenting the story of Lom Bin (the wind) and Ai Un (the sunlight). Lom Bin, a playful and active character, is responsible for blowing for environmental cooling and disseminating pollens for hybridization. Ai Un brings the sunlight to the world. The computerized games, such as hand-waving showing flower blossom and hand-rubbing showing sunlight shining on the screen, were provided for young visitors.



Station 3: Presenting the story of Nong Khun (Ratchaphruek flower). Nong Khun is the leader of the mascots. He represents sustained ecology, including soil, water, wind and sunlight. As the future of the planet is in everyone's hands, it is necessary to save the energy, reduce the global warming and effectively utilize natural resources. Computerized game related to productive world was provided.

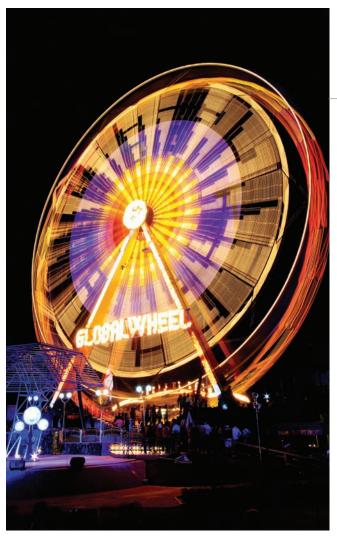




7.6 Giant Flora Wheel

The Giant Flora Wheel with the 42 m high, equivalent to a 14-storey building, was available for visitors to enjoy of 360-degree panoramic view of the entire exposition area. The visitors could view the gardens and forest areas full of colorful flowering plants during the day and dazzling lights during the night.











8. IMPORTANT ACTIVITIES

8.1The Flag Raising Ceremony

This important ceremony marked the opening of the Royal Flora Ratchaphruek 2011, which was held on 14 December 2011. The flags of Thailand, AIPH and all participating countries were raised as a token of good cooperation and relations in this grand event. Deputy Prime Minister H.E. Chumpol Silpa-archa presided over the ceremony, accompanied by representatives of participating countries, ambassadors, government officials, distinguished guests and media.





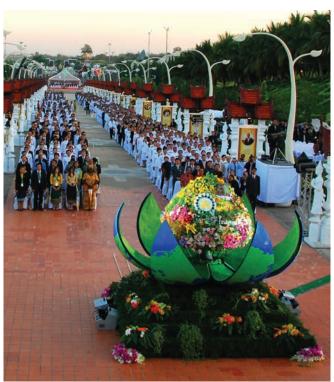




8.2 The Official Opening Ceremony

On 15 January 2012, H.M. the King designated H.R.H. Princess Maha Chakri Sirindhorn to preside over the official opening ceremony of the Royal Flora Ratchaphruek 2011. H.E. Miss Yingluck Shinawatra, the Prime Minister of Thailand, presented a report on organizing the activities and H.E. Mr. Chumpol Silpa-archa, the Deputy Prime Minister, presented a book as a souvenir to H.R.H. In addition, H.E. Mr.Theera Wongsamut, the Minister of Agriculture and Cooperatives, together with Mr. Jirakorn Kosaisawee, the Director-General of the Department of Agriculture, ambassadors and representatives from participating countries, members of the Royalties from the North, members of the cabinet and distinguished guests attended the ceremony.





Numerous Acts constituting "Chintanaruemit Nam Din Fa Phra Barami" was begun with the Angel of Ratchaphruek and followed by Lanna folk dancers. They sprinkled seven sacred flowers along the walkway from the Ratchaphruek Square to the Royal Pavilion. The ballerinas dressed in costumes representing international flowers and musical performance, reflecting the concept of "Greentitude" for the sustainability of natural resources, were performed. The final Act honored the three auspicious occasions of Thailand.





















8.3 Visit of the Royal Family Members and Honorable Guests









H.R.H. Princess Srirasm, Royal Consort to H.R.H Crown Prince Maha Vajiralongkorn and H.R.H. Prince Dipangkorn Rasmijoti visited the Exposition on 24 December 2011 and 29 January 2012













H.R.H. Princess Siribhachudhabhorn visited the Exposition on 24 February 2012





H.R.H. Princess Adityadhornkitikhun visited the Exposition on 27 February 2012

Part of the International and National VIPs



















Part of the International and National VIPs







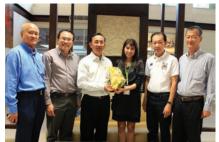
















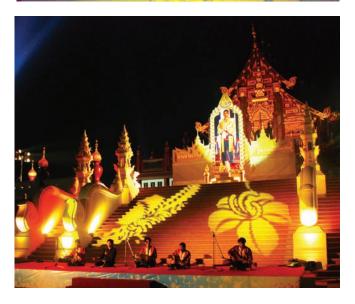


8.4 Special Performances to Honor His Majesty the King

During 21-25 December 2011, the well-wishing candle-lighting-ceremony was organized to commemorate. His Majesty's 7thCycle Birthday Anniversary at the Royal Pavilion. The performances of H.M. the King's compositions and the show entitled "Phra Maha Barami, Palang Haeng Paen Din" were performed to honor H.M. the King's contributions to Thailand's developments including agriculture. The evening event ended with spectacular Pyro Technique fireworks.



Nony Live The Queen



8.5 Special Performances to Honor Her Majesty Queen Sirikit

Special performances were organized to commemorate H.M. Queen Sirikit 80th Birthday Anniversary in 2012. During 3-5 February 2012 at the Royal Pavilion, the show entitled "Pa Rak Nam Fah Ngamtrakan" featured Lanna folk and flower performances with light and sound to honor H.M. Queen Sirikit's contributions to agriculture, natural conservation and reforestation. The event ended with beautiful Pyro Technique fireworks.

8.6 Special Performances to Honor H.R.H. Crown Prince Maha Vajiralongkorn

To commemorate H.R.H. Crown Prince Maha Vajiralongkorn 60th Birthday Anniversary in 2012, special performances were organized during 25-26 February 2012 at the Royal Pavilion. The show entitled "Sai Yai Rak Ratchaphruek" featured performances, such as Nong Khun and Friends together with Glowing Butterflies narrated stories about H.R.H. Crown Prince's agriculture-related activities, Heartfelt musical dance expressed family love and bonding and Happiness of 4 Region Families featured musical performance and Lanna folk dancing. The show ended with impressive Pyro Technique fireworks.

8.7 International Activities

Throughout the Exposition, the participating countries organized the opening ceremony of their gardens as follows:

India

8 November 2011



AIPH

13 December 2011



South Korea

14 December 2011











Netherlands

15 December 2011





Turkey 18-19 January 2012



Malaysia

15 December 2011



Laos PDR

16 January 2012







Japan Week

Organized by the Consulate-General of Japan in Chiang Mai during 14-28 January 2012, the Japan Week covered various activities as follows:

14-15 January 2012

Demonstration and Workshop on Japanese Flower Arrangement (Ikebana) was organized by the Consulate-General of Japan in Chiang Mai and Ikenobo Bangkok, at Room 1 of the Exhibition Hall 2

14-22 January 2012

Tourism Exhibition for the area affected by Tsunami in Japan was displayed in front of the Exhibition Hall 2. The exhibition was supported by the Japanese Council of Local Authorities for International Relations (CLAIR), Singapore Office and the Japan National Tourism Organization.

21-22 January 2012

Japanese Flower Arrangement Exhibition was organized by Chiang Mai Ikebana Club at a corridor between Room 1 and 2 of the Exhibition Hall 2.

22 January 2012

Demonstration and Workshop on Japanese Flower Arrangements (Ikebana) was organized by the Consulate-General of Japan in Chiang Mai and Chiang Mai Ikebana Club at Room 1 of the Exhibition Hall 2.











8.8 New Year Eve Activities

To celebrate the New Year Eve, the activities, presided over by the Director-General of the Department of Agriculture, were organized on 31 December 2011 at in front of the Royal Pavilion. The countdown activity and blessing ceremony for the New Year, concerts and Chiang Mai Acoustic Youths Bands were performed. In addition, the audiences joined the event by releasing the Chinese lanterns, watching the spectacular fireworks and singing together. These activities drew a large number of the audiences.

8.9 New Year Celebration

The "Happy New Year 2012" activities were organized on 1 January 2012 at the Ratchaphruek Square. They included live music performed by the youths from various educational institutions in Chiang Mai, street shows and the magic. The event ended with the spectacular Pyro Technique fireworks.



The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

8.10 The National Children's Day Activities

The event was held at the Kid's Eco Park on 14 January 2012. Children enjoyed numerous activities, such as a special show by Nong Khun and Friends, a game of "Finding Five Friends", a jigsaw puzzle competition, a bozo show, musical performances by the youths from educational institutions in Chiang Mai, the Cover Dance, Thai cultural performances and a concert by the CMU Band.





8.11 The Chinese New Year

To celebrate the Chinese New Year, the lion and dragon dances were performed by more than 60 performers of the Chao Phraya Dragon Team from Nakhon Sawan Province on 24 January 2012. The 20-meter long golden dragon, moved from the Chang Kham gate to the Ratchaphruek Square, performed acrobatic dances and placed itself on the steps leading up to the Royal Pavilion. This activity drew the attention from a lot of visitors.









The International Horticultural Exposition: Royal Flora Ratchaphruek 2011



8.12 "Chiang Mai: The Most Splendid Culture City" Activity

The event was held on 26 January 2012 at the Ratchaphruek Square. The aims were to promote the splendid cultures and boost tourism and economy of Chiang Mai. Besides, it also intended the youths to proud of their mother land. This special performance was presided over by the Governor of Chiang Mai, M.L Panadda Diskul. Activities included the orchestra band from Vachiralai School and the Candle Dance from the Chiang Mai College of Arts. Representatives of the Royalties from the North, government executives, the Honorary Consul-Generals in Chiang Mai and the media attended the event.

8.13 The Valentine Day Activities

At the Exposition, the "Love Blossom Phenomenon" activity was organized at the Music Theatre and Giant Flora Wheel on 14 February 2012. Marriage registration on the Giant Flora Wheel was arranged for 21 couples. In addition, a golden certificate was awarded to the couple who won the soul-searching game. Activities included street shows and live music in the garden entitled "Ratchaphruek Love Songs". The audiences were encouraged to play games and enjoyed the "Save the Planet" performance along with the Pyro Technique fireworks at night.















8.14 The Lanna-Style Market

This activity featured the market of fresh fruits, flowering plants, herbs, local souvenirs/foods and OTOP products. The shops and kiosks, decorated in Lanna style, were located near the Amphitheatre and the Ratchaphruek Square. The market was organized on the same date of the cultural performances and the national day activities.

8.15 The Marking of 1 Millionth and 2 Millionth Visitors

H.E. Miss Yingluck Shinawatra, the Prime Minister, rewarded the 165-cm-tall Nong Khun doll with vouchers from Khao Mao-Khao Fang Restaurant and accomodation at Ayatana Hotel worth 20,000 Baht to the 1 millionth visitor, Pol.Sub-Lt. Amnuay Singh-to from Phitsanulok. Moreover, 10 prizes were awarded with small-sized Nong Khun doll to five visitors prior to one million and other five after one million.

The Director-General of the Department of Agriculture also rewarded the 2 millionth visitor, Miss Wanwanat Au-charoen from Ranong, with the 165-cm-tall Nong Khun doll together with vouchers from the Four Seasons Hotel Restaurant and accommodation at Veranda Hotel.



To express appreciation to visitors, this activity was organized daily during 1-14 March 2012 at the Exposition's main entrance. Five mascots, namely Nong Khun, Lom Bin, Din Cham, Nam Sai and Ai Un, with 80 cm in size, were awarded to the lucky visitors every two hours from 9:00 am-5:00 pm.













8.17 The Official Closing Ceremony

H.E. Mr.Chumphol Silpa-archa, the Deputy Prime Minister and Minister of Tourism and Sports, presided over the closing ceremony. The ceremony was attended by the Deputy Minister of Agriculture and Cooperatives, ambassadors/ consuls, government officials and the general public from Thailand and overseas. Miss Supatra Thanaseneewat, the Permanent Secretary of the Ministry of Agriculture and Cooperatives, reported the summary of the Exposition. Dr.Doeke Faber, the President of AIPH, gave his speech in appreciation of the successful exposition. The activities included the flag hand-over to AIPH and the presentation of plaques of appreciation to supporters, sponsors and all participanting countries. The special performance, integrating Lanna, Thai and international culture, was performed to honor the three auspicious occasions of the Royal Family members. Finally, the pictures of memorable moments of the Exposition was presented.







9. SERVICES AND FACILITIES

The Royal Flora Ratchaphruek 2011, International Horticultural Exposition, was recognized as an "A2/B1" category by the International Association of Horticultural Producers (AIPH). As the host country, Thailand was responsible for organizing and providing facilities to comply with the international standard. The Project Management Office provided conveniences and amenities throughout the Exposition for all participants and visitors.

9.1 Custom-Bonded Warehouse and Ratchaphruek Plant Quarantine Station

The Customs Department and the Department of Agriculture collaboratively established the Ratchaphruek Customs-bonded Warehouse and the Ratchaphruek Plant Quarantine Station on the premises of the exposition site to facilitate customs and plant quarantine inspections for exhibit items imported into the country. To comply with the regulation of the AIPH, the Department of Agriculture was responsible for the expenses of return transportation between Thailand and participating countries.



9.2 Press Center

The press center was equiped with a full range of communication equipments. Staff were available to assist the press. Transportation for the press was also provided throughout the Exposition.

9.3 Service Center for Participants and Visitors

This center provided facilitative services for participants and visitors, such as information, lost-and-found and wheel chairs for the elderly and disabled. Moreover, the First Aid Center with doctors, nurses and an ambulance was also available throughout the Exposition.







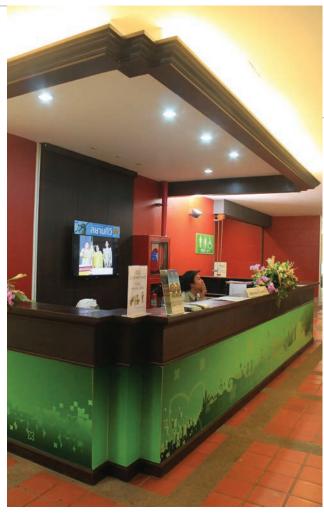
The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

A variety of services were specifically available for visitors in wheelchairs to access the Exposition with comfort and convenience, such as:

- Private vehicles with disabled visitors were allowed to drop the visitors at the assigned stops but parking was prohibited.
- Rental wheelchairs were available at the ticket center and service center.
- Shuttle buses with wheel chairs access were provided for the comfort and convenience of the elderly and the disabled.
- Plant exhibition zones, garden for the King and exhibition halls provided ramps for visitors in wheelchairs.
- Twenty-five toilets were specifically designed for the disabled.
- Telecommunications Systems, for example, public phones and internet services were available at many spots within the exposition. Wi-Fi internet was also available free of charge.









9.4 Information Center and Public Relations ServicesInformation Center

Information Center and Information Kiosks were set up around the Exposition to provide information and some other services for visitors. Information of special activities and brochures of the Exposition and prizes for each activity were also distributed at the Center.

Public Relations Activities

The Project Management Office continually publicized the Royal Flora Ratchaphruek 2011 through press conferences, interviews on television and radio programs, magazines and the press both within Thailand and overseas to encourage them to join the Exposition. The campaign resulted in dramatic increase in the number of visitors. As a consequence, the number of visitors reached the target and had a positive impact on the Northern tourism industry with considerable increase in cash flow within the region.



9.5 VIP Chalet

This building was reserved for welcoming the distinguished guests, such as leaders of the participating countries, members of the Royalties from the North, members of the Privy Council, cabinet members, ambassadors, members of AIPH and ISHS. Staff were assigned to take good care of distinctive guests during their visit.











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9.6 Tickets/Admission Fees

Three types of tickets were available.

1. Single Entry Ticket

Adult: 200 THB

Children, Students, the Disabled and Elderly over 60 years: 100 THB

2. Multiple Entry Ticket

Adult: 800 THB

Children, Students, the Disabled and Elderly over 60 years: 400 THB

3. Group Entry Ticket (more than 15 visitors)

Adult: 150 THB

Children, Students, the Disabled and Elderly over 60 years: **70 THB**

Ticket Selling Channels

- 1. Krung Thai Banks
- 2. Thai Ticket Master Co.,Ltd.
- 3. The exposition entrance





Conditions

- 1. For better services, the Exposition can accommodate only 25,000 visitors per day. Therefore, each ticket would be issued with the visiting date.
- 2. For the multiple entry ticket, the holder must write his/her name on the ticket and presented it together with his/her ID card for each entry.
- 3. Children with the height less than 100 cm were allowed to enter free of charge.
- 4. Tickets purchased before 13 December 2011 received 50% discount.





9.7 Transportation

Outside the Exposition

- **Private vehicles** from Chiang Mai International Airport, drove down south either along Highway 108 or the road along the irrigation canel about 6 km, took a right turn and drove for 2 km to the exposition.
- Air-conditioned vans departed from Chiang Mai International Airport from 8:00 am. Service fee was 40 THB per person or 300 THB for the chartered service.
- **Metered taxies** were available at the major locations, such as the bus terminal, railway station, airport and shopping centers. A call to the Taxi Center should be made.
- Free Shuttle buses run every 10 minutes from two designated sites, Chiang Mai Government Complex and Chiang Mai Railway Station. The service was from 8:00 am-9:00 pm during weekday and 9:00 am-10:00 pm during weekend and public holiday.
- **Public vehicle** departed from 16 designated sites, such as JJ market, Tesco Lotus Kamtiang, Meechok Plaza, Makro Poy Luang, Big C Extra, Chiang Mai Arcade Bus Terminal, Big C Don Chan, Global House, Kad Suan Kaew, Central Plaza Chiang Mai Airport, Tesco Lotus Hang Dong, Big C Hang Dong, Makro Hang Dong, Chang Puak Bus Station, Warorot Market and Kad Farang. Services were available between 8:00 am-9:00 pm. Service fee was 20 THB per person or 150 THB for chartered service.





Within the Exposition

Upon entering the Royal Flora Ratchaphruek 2011, visitors were able to walk around the site along the walkway to appreciate the beautiful surroundings, take a look at exhibitions and participate in several activities. Since the exposition site was huge, visitor would take more than 6 hours to enjoy all exhibitions. For visitors who have limited time at the exposition,

various kinds of vehicles were available.

- 1. Shuttle Buses: Drivers and guides would provide information of each attractive spot. The service started from 9:00 am and tickets could be purchased at the shuttle bus counters. All vehicle stopped at 11 destinations within 40-50 minutes. Three types of vehicle were available as follows:
- The 60-seat Shuttle Buses, service fee was 30 THB per person.
- The 12-seat electric 'Golf' vehicle, service fee was 50 THB per person.
- The 12-seat Shuttle Buses for the disabled in wheelchair, service fee was 50 THB per person.
- 2. The electric 'Golf' vehicle for the visitors who need privacy was available from 9:00 am-7:00 pm. Service fee was 600 THB per hour for four passengers and 800 THB per hour for six passengers.



9.8 Food Courts and Restaurants

More than 40 food courts and restaurants were scattered around the Exposition. For example:

- Ratchaphruek Kitchen: offered Thai and international foods. With its prime location near the Ratchaphruek Lake, the visitors could catch clear sight of the spectacular performance called "The Miracle of Greenitude".
- Mae Thong Bai Kitchen: offered papaya salad, fried or grilled chicken and various varieties of food, such as fried rice with shrimps or crab meat and rice mixed with shrimp paste.
- Tem Im Rim Suan: offered great choices of foods and drinks by Charoen Pokphand Group, such as bologna sausage, spaghetti carbonara, fried fish mixed with herbs, grilled or fried chicken and Chester's Grill. It was located inside the modern agricultural garden of Charoen Pokphand Group.









9.9 Toilet

More than 550 toilets were available at various locations around the exposition. The wastewater treatment system was installed to ensure cleanliness.

9.10 Parking

There were parking lots available for more than 2,000 cars outside the exposition. They were clearly allocated for buses, vans, public transports and vehicles for the disabled.

9.11 Public Utilities

The electricity generated in the exposition area was under responsibility of the assigned staff from the Project Management Office and the Electricity Generating Authority of Thailand (EGAT). Meanwhile, the treated water and irrigation system, both inside and outside the exposition, were operated continuously with the cooperation from the Royal Irrigation Department.

9.12 Security Administration System

Closed-circuit televisions (CCTV) were installed around the Exposition and the security guards were in charge 24 hours to ensure safety of the visitors.



The International Horticultural Exposition: Royal Flora Ratchaphruek 2011









DIATS O'INLITER LA TIONE SHOP



9.13 International Currency Exchange Service and ATM

International Currency Exchange Counters were located at the main entrance to service foreign visitors. ATM kiosks were also installed at the main entrance, Exhibition Hall 1 and in front of the entrance to OTOP shops.

9.14 Shops, OTOP and Plant Market

Souvenir Shops

Rows of gift shops, situated near the Exposition exit, sold varieties of souvenirs including the copyright souvenirs of the event and souvenirs from participating countries.

OTOP Products

"One Tambon-One Product (OTOP)" shops from 20 districts of Chiang Mai offered great choices of quality products to visitors.

Plant Stalls

A number of stalls sold flowers and ornamental plants, farm products and gardening tools. It was one of the attractive areas for visitors throughout the event.

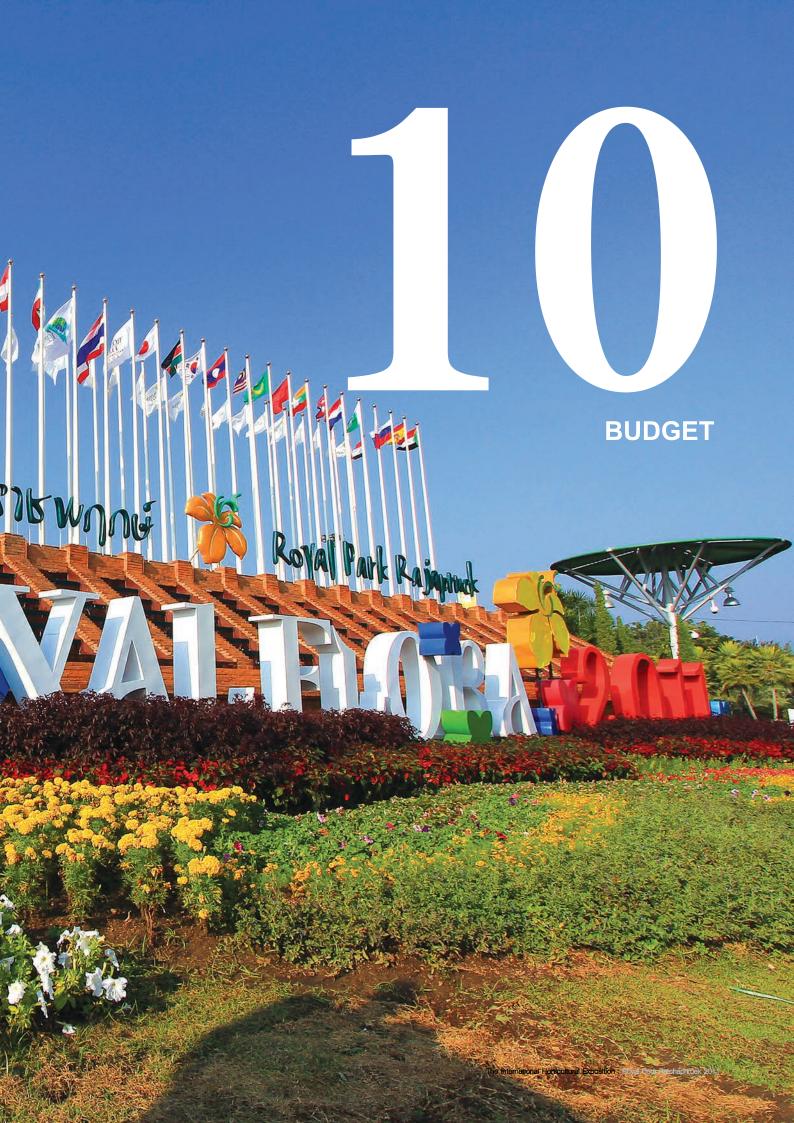






The International Horticultural Exposition: Royal Flora Ratchaphruek 2011













11. ACHIEVEMENTS

11.1 Paying homage to His Majesty the King

A large number of visitors participated in paying homage to H.M. the King. The special activities were organized to celebrate H.M. the King 84th Birthday Anniversary either through the special application on the tablet or the Crystal Tree which represented the loyalty to the beloved King. In addition, the exhibitions of sufficiency economy policy were displayed to honor the King initiative. The visitors were inspired by the concept of sufficiency economy policy and applied to their daily life. This is one of alternative solutions to help reduce global warming.

11.2 Good international relationship

Thirty-one countries and 2 international organizations participated in the Royal Floral Ratchaphruek 2011 to honor three auspicious occasions of the Royal Family Members. Displays and exhibitions, under the concepts of 3Gs and 3Rs, were organized using a combination of native flora, traditional architectural styles and national cultures. The participating countries donated their gardens and exhibit items to Thailand as a symbol of good and strong international relationship.

11.3 Capability to organize a world-class exposition in Thailand

The Royal Flora Ratchaphruek 2011 was the second international horticultural exposition in Thailand, approved by the International Association of Horticultural Producers (AIPH) as the A2/B1 Category. Although the minimum requirement for A2/B1 Category is at least 6 countries, the number of participating countries/organizations in this Exposition was 33, including 8 new countries apart from those of the Royal Flora Ratchaphruek 2006.

The success of the Exposition indicated the capability of Thailand to organize a world-class exposition. This is due to the arrangement of beautiful landscapes, traditional architectures and diversity of horticultural crops which were distinctively selected, maintained and changed throughout the period of the Exposition. Besides, knowledge and technologies regarding horticultural and agricultural practices were displayed under the concepts of 3Gs and 3Rs to enable sustainable agriculture, friendly environment and global warming reduction.









Although, Thailand faced a big flood disaster in Bangkok and the nearby provinces which enforced the delay of the exposition and reduction of visitors from Bangkok and Central region, as well as the smog problem in the north during the Exposition, the number of visitors were higher than the expectation. The traffic and transportation management, both inside and outside the Exposition, was very effective with free shuttle buses from Chiang Mai Government Complex and Chiang Mai Railway Station, together with public transports from many designated locations. These transportation management helped reducing traffic congestion and insufficient parking lots.







11.4 Exchange of horticultural knowledge at the international level

The conferences, 14 international and 7 national symposiums/workshops, organized during the Royal Flora Ratchaphruek 2011 drew more than 4,500 participants from several countries, which were Australia, Cambodia, China, Chinese Taipei (Taiwan), Denmark, Egypt, the Fiji Islands, Hungary, India, Indonesia, Japan, Kenya, Laos, Malaysia, Mexico, Nigeria, Philippines, Portugal, Sri Lanka, Turkey, the United States of America, Vietnam and Thailand. The conferences played important roles in the exchange of horticultural information via meetings and discussions on technology innovation among international experts and researchers. The conferences were fully supported by international organizations, in particular, the International Society for Horticultural Science (ISHS). Knowledge gained from the studies and research of foreign scientists could encourage junior Thai researchers to further study, aimed at improving the production management and logistics. This would strengthen the competitiveness of Thailand in the global market.





11.5 Economic gains

Based on the survey on tourism in Chiang Mai, the number of tourists declined due to the finish of the Royal Flora Ratchaphruek in 2006 as well as the severe smog problem during dry season in the north.

The Royal Flora Ratchaphruek 2011 was the greatest and longest event in Chiang Mai and Thailand which had a positive impact on the country's economy, particularly in the northern provinces. Throughout the 3-month period of the Exposition, according to the Kasikom Research Center, there were approximately 16,000 million Baht of cash flow in Chiang Mai. Of this amount, 1,000 million Baht were from visitors within Chiang Mai and 15,000 million Baht were from visitors of other provinces and foreigners. Of 15,000 million Baht, 30 percent or 4,500 million Baht went to souvenirs and handicrafts businesses, 20 percent or 3,000 million Baht went to accommodations and 15 percent or 2,250 million Baht went to restaurants/food shops and the rest of other services, such as entertainments, tourism and transportations.



The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

The result of the exposition contributed to a growth of local economy in Chiang Mai and the upper northern provinces as follows:

- The number of visitors stayed in various kinds of accommodation increased 5.35, 8.09 and 7.40 percent in December, January and February, respectively compared to the same period of the previous year.
- 2) The number of passengers passing through the airports in the northern regions increased 24.5 percent. The number of vehicles and passengers at the bus terminals increased 4 times compared to the same period of the previous year.
- 3) Based on the survey of the entrepreneurs, such as owners of accommodations, restaurants, rental cars/vans/buses/taxis and gift shops/souvenirs, the result were as follows:
- Hotels and accommodations: 86.4 percent of entrepreneurs earned higher revenues.
- Food centers and restaurants: 36.67 percent of entrepreneurs earned higher revenues.
- Rental cars/vans/buses: 100 percent of van and bus entrepreneurs earned higher revenues but only 88.7 percent of rental car owners earned higher revenues.
- Gift shops and souvenirs: all owners earned higher revenues with an increase of 40, 30 and 25 percent in December, January and February, respectively compared with the same period of the previous year.

11.6 Advantages of 3Gs and 3Rs

The theme for this Exposition was different from its first exposition. It focus on global warming issue which adversely affect farming production. This issue received a full attention through several exhibition activities under the theme: "Greenitude: Reducing Global Warming to Save Planet Earth and to Improve the Quality of Life". It aimed to promote the effectively use of natural resources by reuse, reduce and recycle. Additionally, it put an emphasis on the horticultural technologies contributed to the reduction of global warming under the principles of 3Gs and 3Rs.







The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

The event was made possible by a cooperation of schools in Chiang Mai and nearby provinces through field trips, allowing students to realize the root of global warming and its impact on people. The methods to reduce global warming were presented through various exhibitions, such as the Organization Gardens, displaying several concepts in compliance with initiatives of the King. Weekly exhibitions in the Exhibition Hall 2 also reflected the problem of global warming and provided simple methods for adults and children to apply in their daily life. The display examples included tree plantation in the shaded area to increase more oxygen, reduce usage of air condition. The concept of green city in which buildings, accommodations and row houses could be readjusted and designed to comply with the idea of vertical gardens. Value-added of the waste was also exhibited.



11.7 Utilization of the Royal Park Rajapruek as the horticultural and cultural learning center

With the success of the Royal Flora Ratchaphruek 2006, the Department of Agriculture handed the Royal Agricultural Research Center to the Highland Research and Development Institute (Public Organization) since 10 December 2009. The center was renamed "the Royal Park Rajapruek" and opened for the public until the preparation of the Royal Flora Ratchaphruek 2011. The advantage for utilizing the same area was the cost saving for new construction, public utilities and facilities which was in line with the government policy to effectively use of budget.

At the end of the Exposition, both national and international participating countries/organizations donated their gardens and all exhibit items to the Department of Agriculture before further handover to the Highland Research and Development Institute (Public Organization). The result of this Exposition not only strengthen good relations among participants but also give an opportunity to develop the site as the horticultural and cultural learning center.















The International Horticultural Exposition: Royal Flora Ratchaphruek 2011









12.1 Executive Committee of the International

Horticultural Exposition: Royal Flora Ratchaphruek 2011

Consultant

- 1) Mom Rajawongse Bhisadej Rajani
- 2) Prof. Rapee Sagarik

Chairman

3) Deputy Prime Minister (of the Ministry of Agriculture and Cooperatives)

Vice - Chairman

- 4) Minister of Agriculture and Cooperatives
- 5) Minister of Tourism and Sports

Committee

- 6) Deputy Minister of Agriculture and Cooperatives
- 7) Permanent Secretary of the Office of the Prime Minister
- 8) Permanent Secretary of the Ministry of Agriculture and Cooperatives
- 9) Permanent Secretary of the Ministry of Foreign Affairs
- 10) Permanent Secretary of the Ministry of Finance
- 11) Permanent Secretary of the Ministry of Transport and Com - munications
- 12) Permanent Secretary of the Ministry for Interior
- 13) Permanent Secretary of the Minister of Tourism and Sports
- 14) Director of Budget Bureau
- 15) Commander in Chief of the Royal Thai Police
- 16) Deputy Permanent Secretary of Ministry of Agriculture and Cooperatives (Developing Productions Task Force)
- 17) The Governor of Chiang Mai
- 18) The Governor of the Tourism Authority of Thailand
- 19) Director General of the Highland Research and **Development Institute (Public Organization)**
- 20) President of the Horticultural Science Society of Thailand

Committee and Secretary

21) Director General of the Department of Agriculture

Committee and Assistant Secretary

22) Deputy Director General of the Department of Agriculture

12.2 Organizing Committee of the International HorticulturalExposition: RoyalFlora

Ratchaphruek 2011

President Consultant

1) Mr.Banharn Silpa - archa

Consultant

- 2) Mr.Somsak Prisananuntakul
- 3) Mr.Nikorn Jamnong

Chairman

4) Minister of Agriculture and Cooperatives

Vice - Chairman

5) Permanent Secretary of the Ministry of Agriculture and Cooperatives

Committee

- 6) Director of Budget Bureau
- 7) Director General of the Comptroller General's Department
- 8) Director General of the Customs Department
- 9) Director General of the Department of International **Economic Affairs**
- 10) Director General of the Department of Public Relations
- 11) Director General of the Department of Tourism
- 12) Director General of the Department of Land Transport
- 13) Director General of the Royal Irrigation Department
- 14) Director General of the Land Development Department
- 15) Director General of Department of Agriculture Extension
- 16) Director General of the Cooperative Promotion Department
- 17) Director of the National Bureau of Agricultural Commodity and Food Standards
- 18) The Governor of Chiang Mai
- 19) Director General of Chiang Mai Provincial Administrative Organization
- 20) Commander in Chief of the Provincial Police Region 5
- 21) Director General of the Highland Research and Development Institute (Public Organization)
- 22) President of Thai Airways International Public Company Limited
- 23) The Governor of the Tourism Authority of Thailand
- 24) President of Chiang Mai Chamber of Commerce
- 25) President of the Horticultural Science Society of Thailand

Committee and Secretary

26) Director General of the Department of Agriculture

Committee and Assistant Secretary

- 27) Deputy Director General of the Department of Agriculture
- 28) Director General of the Highland Research and Development Institute (Public Organization)

12.3 Subcommittee of the International Horticutural **Exposition:Royal Flora Ratchaphruek 2011**

12.3.1 Subcommittee for Organizing **Public Relations and Activities**

Consultant

1) Assoc. Prof. Montri Kamchu

Chairman

2) Permanent Secretary of Ministry of Agriculture and Cooperatives

Vice - Chairman

 Deputy Permanent Secretary of Ministry of Agriculture and Cooperatives (Mr.Chawalit Chukhachon)

Subcommittee

- 4) Representative of Ministry of Natural Resources and Environment of Thailand
- 5) Representative of Ministry of Energy
- 6) Representative of Royal Project Foundation
- 7) Director of Budget Bureau
- 8) Director General of International Economic Affairs Department
- Director General of the Department of Land Transportation
 Department
- 10) Director General of the Customs Department
- Director General of the Comptroller General's
 Department
- Director General of the Department of Public Relations Department
- 13) Director of the Department of Agriculture Extension
- 14) Director General of the Land Development Department
- Director General of the Cooperative Promotion Department
- 16) Secretary General of Agricultural Economics Office
- Secretary General of the Office of the Royal Development Projects Board
- Director General of the Highland Research and Development Institute (Public Organization)
- 19) President of Chiang Mai University
- 20) President of Maejo University
- 21) President of Kasetsart University
- 22) President of Thai Airways International Public Company Limited
- 23) The Governor of the Tourism Authority of Thailand
- 24) President of the Horticultural Science Society of Thailand
- 25) Director of the Office of Agricultural Affairs, Ministry of Agri culture and Cooperatives
- 26) Director of Office of Agricultural Research and Development Region 1
- 27) Director of Chiang Mai Agriculture and Cooperatives

Subcommittee and Secretary

28) Director of the Department of Agriculture

Subcommittee and Assistant Secretary

- 29) Deputy Director General of the Department of Agriculture (Mrs.Weena Pongpattananon
- 30) Director of Horticultural Research Institute

12.3.2 Subcommittee for Renovation Venue Construction and Landscape

Chairman

 Deputy Permanent Secretary of Ministry of Agriculture and Cooperatives (Mr.Niwat Suteemechaikul)

Vice - Chairman

 Director General of Highland Research and Development (Public Organization)

Subcommittee

- Representative of the Ministry of Natural Resources and Environment of Thailand
- 4) Representative of Chiang Mai University
- Representative of the Horticultural Science Society of Thailand
- 6) Director of Regional Irrigation Department Office 1
- Director of Office of Agricultural Research and Development Region 1
- 8) Director General of Horticultural Research Institute (Public Organization)
- 9) Director of Chiang Mai Royal Agriculture Research Center
- 10) Director of Royal Park Rajapruek

Subcommittee and Secretary

 Deputy Director of Highland Research and Development (Public Organization)

Subcommittee and Assistant Secretary

12) Director for Policy and Planning Office of Agricultural Research and Development Region 1

12.4 Judging Committee – International Competition for Flowers and Decorative Plants

12.4.1 Grand Jury

Chairman

Dr.Doeke C. Faber
 President, AIPH

Committee

- 2) Mr.Shinya Wada Chairman of Marketing Committee, AIPH
- Mr.Russ Higginbotham
 Nursery and Garden Industry Australia, AIPH
- 4) Ms.Betty Huang Vice General Manager, TFDA
- 5) Mr.Frederic Chalier Landscape and Garden Architect (Belgium), AIPH
- 6) Assoc.Prof.Uamporn VeesommaiLandscape Design Faculty of Agriculture,Kasetsart University

- Mr.Phong Sengking
 Arsom Silp Institute of the Arts
- 8) Mr.Sakchai Gay
 Director of LIPS Magazine
- Dr.Weerachai Nanakorn
 Specialist The Crown Property Bureau

12.4.2 Class Jury

1 Orchid : Individual Plant, Container Display and Cut Flower President

Assoc. Prof. Paiboon Pireepairit
 Kasetsart University

Committee

- Dr.Manop Kaewkumnerd Maejo University
- Assoc.Prof.Dr. Pimjai Apawatcharut Chiang Mai University
- 4) Asst.Prof.Jitrapun Taeppayotorn Kasetsart University
- 5) Dr.Uthai Charanasri Rapee - Kullaya Sagarik Orchid Support Career Foundation
- 6) Mr.Jitti Rattanapernchai Rapee - Kullaya Sagarik Orchid Support Career Foundation
- 7) Mr.Tipakorn Saeng uthai
 Excel Orchid Company Limited
- 8) Mr.Surapon Saeng uthai
 Bangkok Green Company Limited
- Mr.Sutad Pleampunya
 Royal Project Foundation
- 10) Ms.Amornpun FoopunyaHighland Research and Development Institute(Public Organization)
- 11) Assoc.Prof.Dr.Kanchit Thammasiri Mahidol University
- 12) Assoc.Prof.Dr. Surawit Wannakairot Kasetsart University
- 13) Asst.Prof.Patcharee Boonkorkaew Kasetsart University
- 14) Dr.Saha Tulapong Maejo University
- Asst.Prof.Chalit Pongsupamit
 Maejo University

- 16) Dr.Nutcha kuanpresert Chiang Mai University
- 17) Mrs.Jongwattana Poomhirun

 Deartment of Agriculture
- 18) Ms.Vipada ThongthaksinDepartment of Agriculture
- Ms.Duangporn A mutrattana
 Depatment of Agriculture
- 20) Dr.Setthaphong Lekawattana

 Department of Agriculture Extension
- 21) Mr.Taweepong Suwannaro

 Department of Agriculture Extension
- 22) Mrs.Chanya Thipanuka

 Department of Agriculture Extension
- 23) Mr.Sujin Sukviwat

 Department of Agriculture Extension
- 24) Mr.Supat Kladdej

 Department of Agriculture Extension
- 25) Ms. Phudsadee Srikwan
 Department of Agriculture Extension
- 26) Mr.Suwanna Hirunworawuttikul Royal Horticultural Society of Thailand under the Royal Patronage
- 27) Mr.Siriphong Warasai
 Royal Horticultural Society of Thailand under the Royal Patronage
- 28) Mr.Trakul Techacharoensukjira Royal Horticultural Society of Thailand under the Royal Patronage
- 29) Mr.Supat Worawongsu

 Royal Horticultural Society of Thailand under the Royal Patronage
- 30) Mr.Kanit Somboonpol

 Royal Horticultural Society of Thailand under the Royal Patronage
- 31) Mr.Prayod Tonpichai
 Royal Horticultural Society of Thailand under the Royal Patronage
- 32) Mr.Sitthisak Somboonpon Royal Horticultural Society of Thailand under the Royal Patronage
- 33) Mr.Krit Phrueksakorn
 Royal Horticultural Society of Thailand under the Royal Patronage
- 34) Mr.Taweesak Avichol Royal Horticultural Society of Thailand under the Royal Patronage
- 35) Mrs.Thanatorn Chalermporn Royal Horticultural Society of Thailand under the Royal Patronage
- 36) Mr.Damrong Hongsaenyatham Royal Horticultural Society of Thailand under the Royal Patronage

- 37) Mr.Samhan Kidprasert
 - Royal Horticultural Society of Thailand under the Royal Patronage
- 38) Mr.Nuttapong Maneejaikam

Royal Horticultural Society of Thailand under the Royal Patronage

39) Mr.Boonlert Poompernpit

Royal Horticultural Society of Thailand under the Royal Patronage

40) Mr. Chawarit Choiklinted

Royal Horticultural Society of Thailand under the Royal Patronage

41) Dr.Panu Ruengchan

Royal Horticultural Society of Thailand under the Royal Patronage

42) Mr. Wuttichai Wuttinuntiwong

Royal Horticultural Society of Thailand under the Royal Patronage

43) Mr.Plukaset Dejsa - nga

Royal Horticultural Society of Thailand under the Royal Patronage

44) Mr.Kwanchai Saengsa - nguan

Royal Horticultural Society of Thailand under the Royal Patronage

45) Mr. Yenleucha Weerawattanametin

Royal Horticultural Society of Thailand under the Royal Patronage

46) Mr.Kamol Poompernpit

Royal Horticultural Society of Thailand under the Royal Patronage

47) Mr. Wuttipun Keesa - nga

Royal Horticultural Society of Thailand under the Royal Patronage

48) Mr.Thongchai Chaipongrattana

Royal Horticultural Society of Thailand under the Royal Patronage

49) Mr. Sakol Pongsiri

Royal Horticultural Society of Thailand under the Royal Patronage

50) Mr.Baancha Hongseanyatham

Royal Horticultural Society of Thailand under the Royal Patronage

51) Mr. Supachai Jukmongkol

Royal Horticultural Society of Thailand under the Royal Patronage

52) Mr. Adsawin Deeboonchai

Royal Horticultural Society of Thailand under the Royal Patronage

53) Mr. Nuttawon Worasai

Royal Horticultural Society of Thailand under the Royal Patronage

54) Mr.Silchai Sae - Heng

Royal Horticultural Society of Thailand under the Royal Patronage

55) Mr.Buree Chanpana

Royal Horticultural Society of Thailand under the Royal Patronage

56) Mrs.Nimnuan Chanpana

Royal Horticultural Society of Thailand under the Royal Patronage

57) Mr. Teerapong Lusup - anun

Royal Horticultural Society of Thailand under the Royal Patronage

- 58) Mr.Boonkua Supthamrong
 - Royal Horticultural Society of Thailand under the Royal Patronage
- 59) Mr.Chalermchai Supa aim

Nakhonpathom Orchids and Ornament Plants Association

60) Mr.Prawit Pengrungruengwong

Nakhonpathom Orchids and Ornament Plants Association

61) Mr.Chaiyut Jittawisutthikul

Nakhonpathom Orchids and Ornament Plants Association

62) Lt.Col.Punya Mueanchanchei

Nakhonpathom Orchids and Ornament Plants Association

63) Mr.Ekthana Rattanakamolkul

Nakhonpathom Orchids and Ornament Plants Association

64) Mr.Joe Paripunnanon

Chiang Mai Orchid Society under the Patronage of HM the Queen

65) Mr.Kittikom Huta-Utha

Chiang Mai Orchid Society under the Patronage of HM the Queen

66) Mr.Manit Muensri

Chiang Mai Orchid Society under the Patronage of HM the Queen

67) Mr.Kitnopparat Jaturapipitpornchai

Chiang Mai Orchid Society under the Patronage of HM the Queen

68) Mr.Chalit Junpamun

Chiang Mai Orchid Society under the Patronage of HM the Queen

69) Mr.Kittiwat Kaewchanthong

Chiang Mai Orchid Society under the Patronage of HM the Queen

70) Mr. Sudjai Chantree

Chiang Mai Orchid Society under the Patronage of HM the Queen

71) Mr.Mondop Boodnampetch

Chiang Mai Orchid Society under the Patronage of HM the Queen

72) Mr.Santi Krajadthong

Chiang Mai Orchid Society under the Patronage of HM the Queen

73) Mr.Saner Mukdavijit

Chiang Mai Orchid Society under the Patronage of HM the Queen

74) Mr. Thuanthong Jaithawaong

Chiang Mai Orchid Society under the Patronage of HM the Queen

75) Mr.Kamol Sutthiprasert

Chiang Mai Orchid Society under the Patronage of HM the Queen

76) Mrs.Kodchaporn Pathumpetch

Chiang Mai Orchid Society under the Patronage of HM the Queen

77) Mr.Khunpol Pathumpetch

Chiang Mai Orchid Society under the Patronage of HM the Queen

78) Mr.Khatha Thongphaen

Chiang Mai Orchid Society under the Patronage of HM the Queen

79) SM1 Paradorn Chiaplaem

Chiang Mai Orchid Society under the Patronage of HM the Queen

- 80) Miss Chanyaporn Thawornsathitsakul Chiang Mai Orchid Society under the Patronage of HM the Queen
- 81) Mr.Chalermchai Insi Chiang Mai Orchid Society under the Patronage of HM the Queen
- 82) Mr.Chawalit Khongpinitbanchong
 Chiang Mai Orchid Society under the Patronage of HM the Queen
- 83) Mrs.Chalinee Kaewchanthong Chiang Mai Orchid Society under the Patronage of HM the Queen
- 84) Mr.Natdanai Sumethachotipong Chiang Mai Orchid Society under the Patronage of HM the Queen
- 85) Mr.Thanawat Rodkhao Chiang Mai Orchid Society under the Patronage of HM the Queen
- 86) Mr.Thanawat Yusri Chiang Mai Orchid Society under the Patronage of HM the Queen
- 87) Mr.Niran Wongtrakul Chiang Mai Orchid Society under the Patronage of HM the Queen
- 88) Mr.Bunlert Tonnak Chiang Mai Orchid Society under the Patronage of HM the Queen
- 89) Mr.Pornpet Momkaew Chiang Mai Orchid Society under the Patronage of HM the Queen
- 90) Mr. Yudthana Pichayawasin Chiang Mai Orchid Society under the Patronage of HM the Queen
- Chiang Mai Orchid Society under the Patronage of HM the Queen

91) Sgt.Somboon Inya

- 92) Mr.Sadudee Kwanchai Chiang Mai Orchid Society under the Patronage of HM the Queen
- 93) Mr.Somsak Weeraphan Chiang Mai Orchid Society under the Patronage of HM the Queen
- 94) Mr.Sujit Suwanpreecha Chiang Mai Orchid Society under the Patronage of HM the Queen
- 95) Mr.Suchad Tontirattanawong Chiang Mai Orchid Society under the Patronage of HM the Queen
- 96) Mr.Athithai Boonpeng Chiang Mai Orchid Society under the Patronage of HM the Queen
- 97) Mr.Aphichad Weekhamchai Chiang Mai Orchid Society under the Patronage of HIM the Queen
- 98) Mr.Aran Wongsan Chiang Mai Orchid Society under the Patronage of HM the Queen
- 99) Mr.Mano Thammarak

 Chiang Mai Orchid Society under the Patronage of HM the Queen

- 100) Mr. Chalermkiat Chawachad Chiang Mai Orchid Society under the Patronage of HM the Queen
- 101) Mrs.Kanidtha Duangsong
 - Chiang Mai Orchid Society under the Patronage of HM the Queen
- 102) Ms.Budsaya Kritwong Chiang Mai Orchid Society under the Patronage of HM the Queen
- 103) Mr.Pinit Mittakang
 - Chiang Mai Orchid Society under the Patronage of HM the Queen
- 104) Mr.Preecha Chalermphichai
- Chiang Mai Orchid Society under the Patronage of HM the Queen 105) Mr.Jae Mouss
- Chiang Mai Orchid Society under the Patronage of HM the Queen
- 106) Mr.Piyasarn Manajanyapong Chiang Mai Orchid Society under the Patronage of HM the Queen
- 107) Dr.Sathit Wimol
- Chiang Mai Orchid Society under the Patronage of HM the Queen 108) Dr.Narate Sirigesorn
- Chiang Mai Orchid Society under the Patronage of HM the Queen
- 109) Mr.Teeraphan Toteerakul Chiang Mai Orchid Society under the Patronage of HM the Queen
- 110) Mr.Wasudluck Siemphakdee
 Thailand Orchid Grower Society
- 111) Mr.Pongpakorn Rojjanapaiboon Thailand Orchid Grower Society
- 112) Mr.Pairoj Jiemsiri

 Thailand Orchid Grower Society
- 113) Mr.Daeng ChaipongrattanaThailand Orchid Grower Society
- 114) Dr.Chit Inpar
 Thailand Orchid Grower Society
- 115) Mr.Sa ngob PongpanichThailand Orchid Grower Society
- 116) Mr.Athichad JitnuyanonThailand Orchid Grower Society
- 117) Lt.Gen. Visootr Kong-uthaikul Lop Buri Orchid Society
- 118) Mr.Somporn Pitsamai Lop Buri Orchid Society
- 119) Mr.Prasaat Dararat

 Lop Buri Orchid Society
- 120) Mr.Sitthichai Hengmeechai Lop Buri Orchid Society

- 121) Mr.Somchart Dolvisitthawon
 Lop Buri Orchid Society
- 122) Mr.Ong-art Tonthawanit Lop Buri Orchid Society
- 123) Mr.Punya Jetcharoenruk Lop Buri Orchid Society
- 124) Mr.Chawalit Jitprasartchai Lop Buri Orchid Society
- 125) Mr.Nuntawat Sillapapaiboon Lop Buri Orchid Society
- 126) Mr.Prayudh Khamthanom Lop Buri Orchid Society
- 127) Mr.Charoen Krajangsil Lop Buri Orchid Society
- 128) Mr.Somdej Pochanachan

 Thailand Vanda and Ascocenda Orchid Grower

 Association
- 129) Maj.Gen. Parinya YuaikyenThailand Vanda and Ascocenda Orchid GrowerAssociation
- 130) Mr.Pom Niyomvej

 Thailand Vanda and Ascocenda Orchid Grower
 Association
- 131) Mr.Marut Pochanachan

 Thailand Vanda and Ascocenda Orchid Grower

 Association
- 132) Mr.Akkarapol PhasawanichThailand Vanda and Ascocenda Orchid GrowerAssociation
- 133) Mr.Boonrit Meteekasiwat

 Thailand Vanda and Ascocenda Orchid Grower

 Association
- 134) Mr.Deves TapingkaeThailand Vanda and Ascocenda Orchid GrowerAssociation
- 135) Mr.Mana Wilaisiri

 Thailand Vanda and Ascocenda Orchid Grower

 Association
- 136) Mr.Chalern Sukkritje

 Thailand Vanda and Ascocenda Orchid Grower

 Association

- 137) Mr.Somchai Ketnak

 Thailand Vanda and Ascocenda Orchid Grower

 Association
- 138) Mr.Boonta SriboonlaThailand Vanda and Ascocenda Orchid GrowerAssociation
- 139) Mr.Metha SukkitjeThailand Vanda and Ascocenda Orchid GrowerAssociation
- 140) SM.1 Adisak HongsilpThailand Vanda and Ascocenda Orchid GrowerAssociation
- 141) Col.Khamron Pinyophan
 Cattleya Orchid Society of Thailand
- 142) Mr.Supoj Sudchuen
 Cattleya Orchid Society of Thailand
- 143) Mr.Vijai Srisermphan
 Cattleya Orchid Society of Thailand
- 144) Mr.Sereerat Chitpalachayanon Cattleya Orchid Society of Thailand
- 145) Mr.Nimit Wattanarotrueng Korat Orchid Society
- 146) Mr.Noi Sae-lim Korat Orchid Society
- 147) Mr.Hub Leang-aram Korat Orchid Society
- 148) Mr.Suwat Mungkornvej Korat Orchid Society
- 149) Mr.Boonyarit Methikasiwat Korat Orchid Society
- 150) Mr.Kamol Sae-lim

 Korat Orchid Society
- 151) Mr.Saya Siri apakul Korat Orchid Society
- 152) Mr.Metee Trakrudthong Korat Orchid Society
- 153) Mr.Jeerasak Onmuenwai Korat Orchid Society
- 154) Mr.Jeerasak Tolertmongkol Korat Orchid Society
- 155) Mr.Pariyut Yuwanon Korat Orchid Society

- 156) FS1.Somkuan Khamkong Korat Orchid Society
- 157) Mrs.Theeta Onmuenwai Korat Orchid Society
- 158) Mrs.Natedown Sirijamorn Korat Orchid Society
- 159) Mr.Chadpong Meteekasiwat Korat Orchid Society
- 160) Mr.Chanchai Siprasert Chiangrai Orchid Society
- 161) Mr.Priroj Homhuan
 Chiangrai Orchid Society
- 162) Mr.Suprot PutipiriyaChiangrai Orchid Society
- 163) Mr.Noppadol Pulpipat Chiangrai Orchid Society
- 164) Mr.Wichai Rattanajinda Chiangrai Orchid Society
- 165) Mr.Nipol Tamnanthong Ratchaburi Orchid Society
- 166) Mr.Pipat Mongkolrangsi Ratchaburi Orchid Society
- 167) Mr.Phasakorn Sakpongtorn Ratchaburi Orchid Society
- 168) Ms.Watchraporn Sukke Ratchaburi Orchid Society
- 169) Mr.Kasiphat Phawanathanachod Ratchaburi Orchid Society
- 170) Mr.Surapol Chomyaad
 Ratchaburi Orchid Society
- 171) Mr.Narongsak Jongsiri Ratchaburi Orchid Society
- 172) Mr.Somkid Khanmanee Ratchaburi Orchid Society
- 173) Mr.Winyu Wasusirikul Ratchaburi Orchid Society
- 174) Mr.Warut Simcharoen
 Ratchaburi Orchid Society
- 175) Mr.Teera Rattanasaenghirun Ratchaburi Orchid Society
- 176) Mr. Suvitchai Saengthean
 Ratchaburi Orchid Grower Group

- 177) Mr.Chakkrit Aueprasert

 Ratchaburi Orchid Grower Group
- 178) Mr.Thitinun Nuntavisai
 Ratchaburi Orchid Grower Group
- 179) Mr.Jumroon Sirichantrawong
 Ratchaburi Orchid Grower Group
- 180) Mr. Khomsun Hunsavijit

 Ratchaburi Orchid Grower Group
- 181) Mr.Urat Sodsaenrat

 Ratchaburi Orchid Grower Group
- 182) Mr.Chai anun Lertrungcharoen Ratchaburi Orchid Grower Group
- 183) Mr.Kitti Pheunbuaphan Ratchaburi Orchid Grower Group
- 184) Mr.Jeerawat Yimrit

 Ratchaburi Orchid Grower Group
- 185) Mr.Karnporn Thaikra

 Ratchaburi Orchid Grower Group
- 186) Mr.Nuttawat Natedown
 Ratchaburi Orchid Grower Group
- 187) Mr.Payong Kong Udomsup

 Thai Orchid Trader Cooperative
- 188) Mr.Sombat Tonsatean
 Thai Orchid Grower Association
- 189) Mr.Phayung Lekjinda

 Thai Orchid Grower Association
- 190) Mr.Mitr PancharoenThai Orchid Grower Association
- 191) Mr.Kittichai Suksamai
 Thai Orchid Grower Association
- 192) Mr.Thianthong Chaisomboonphan
 Thai Orchid Grower Association
- 193) Mr.Adul Krutjaikra

 Thai Orchid Grower Association
- 194) Mr.Phuttipong JongkittipipatThai Orchid Grower Association
- 195) Mr.Pongpreecha JongkittipipatThai Orchid Grower Association
- 196) Mr.Kwanchai Kedkaew
 Thai Orchid Grower Association
- 197) Mr.Todsapol Charoensuksai

 Thai Orchid Grower Association

- 198) Mr.Khosit Aiemsam-ang
 Thai Orchid Grower Association
- 199) Mrs.Kloyjai Suwannakert

 Thai Orchid Grower Association
- 200) Mr.Thana Aramdee
 Thai Orchid Grower Association
- 201) Mr.Krittipas Kitiphantawon
 Thai Orchid Grower Association
- 202) Mr.Nipon Chaisomboonphan

 Thai Orchid Grower Association
- 203) Mr.Charin Natemitthanasombut
 Thai Orchid Grower Association
- 204) Mr.Amnaj Auefue

 Thai Orchid Grower Association
- 205) Mr.Weerar Suwannakert

 Thai Orchid Grower Association
- 206) Mr.Suthin Chanrungsichiay

 Thai Orchid Grower Association
- 207) Mr.Mana Kucharoenchaimanatee
 Thai Orchid Grower Association
- 208) Mr.Nak Wongwattanakarn

 Thai Orchid Grower Association
- 209) Mr.Nipon Chaiwongrungrueng
 Thai Orchid Grower Association
- 210) Mr.Suwat Chanwimalueng
 Thai Orchid Grower Association
- 211) Mr.Prajuab Meunpho
 Thai Orchid Grower Association
- 212) Mr.Boonmak Sitthisa

 Thai Orchid Grower Association
- 213) Mr.Thawatchai Jenwanichwit

 Thai Orchid Grower Association
- 214) Mr.Thongchaipat Deesawat
 Thai Orchid Grower Association
- 215) Mr.Somsong Phungpermtrakul
 Thai Orchid Grower Association
- 216) Mr.Jade Meyanyiem
 Thai Orchid Exporter Association
- 217) Mr.Wittaya Yukphan
 Thai Orchid Exporter Association
- 218) Act.2nd Lt. Chatchawan Katekaew
 Thai Orchid Exporter Association

- 219) Mr.Anake Chai-aphichitpaiboon
 Thai Orchid Exporter Association
- 220) Mr.Chatchawan Telawanich
 Thai Orchid Exporter Association
- 221) Mr.Pongsak Thongrubkaew
 Thai Orchid Exporter Association
- 222) Ms.Thanyanin Somporn
 Thai Orchid Exporter Association
- 223) Mr.Sompong Taweesuk

 Thai Orchid Exporter Association
- 224) Mr.Prithoon Taweesuk

 Thai Orchid Exporter Association
- 225) Mr.Phantapat Khumwichean
 Thai Orchid Exporter Association
- 226) Mrs.Srithip Meyanyiem
 Thai Orchid Exporter Association
- 227) Ms.Duangporn Boonchai

 Thai Orchid Exporter Association
- 228) Mr.Wongkorn Suesuepphan
 Thai Orchid Exporter Association
- 229) Adm.Wasin Sarikaphuti Chanthaburi Orchid Club
- 230) Mr.Wongkot Prasongdee Chanthaburi Orchid Club
- 231) Mr.Wisit Viwattanateepa Chanthaburi Orchid Club
- 232) Mr.Somwang Wichienchan Chanthaburi Orchid Club
- 233) Mr.Suthep Suksathit
 Chanthaburi Orchid Club
- 234) Mr.Vichit Korsriboot Chanthaburi Orchid Club
- 235) Mr.Thanaphat Muangsri Chanthaburi Orchid Club
- 236) Mr.Rath Chantavisude Chanthaburi Orchid Club
- 237) Mr.Wanut Wiwattanateepa Chanthaburi Orchid Club
- 238) Asst.Prof. Permsak Sutthiwaree Chanthaburi Orchid Club
- 239) Mr.Charee Srikongsri

 Ueang Wiang Phing Group

- 240) Mr.Thongsuk Jaisamer

 Ueang Wiang Phing Group
- 241) Mr.Sanon Apicho
 Ueang Wiang Phing Group
- 242) Mr.Pramote Samphanvej

 Ueang Wiang Phing Group
- 243) Mr.Somjit Yadee Ueang Wiang Phing Group
- 244) Mrs.Phongsri Apicho Ueang Wiang Phing Group
- 245) Mr.Worawut Yuyongvej Ueang Wiang Phing Group
- 246) Mr.Wasun Chawanakorn

 Ueang Wiang Phing Group
- 247) Mr.Kraisi Isarangkul Na Ayuttaya Paphiopedilum Club of Thailand
- 248) Mr.Chanchai Tudsanawongwara Paphiopedilum Club of Thailand
- 249) Mr.Trai Paripoonnanon
 Paphiopedilum Club of Thailand
- 250) Mr.Supawit Paripoonnanon
 Paphiopedilum Club of Thailand
- 251) Mr.Phompat Meesaeng
 Paphiopedilum Club of Thailand
- 252) Mr.Saritporn Pornpanichphan
 Paphiopedilum Club of Thailand
- 253) Mr.Pitsanu Suksun Nakhonsawan Orchid Association
- 254) Mr.Damrongwut Wiriya Sukhothai Orchid Association
- 255) Mr. Wuttisarn Bundutham Phetchaburi Orchid Club
- 256) Mr.Bunlue Jongwattana Samutsongkhram Orchid Club
- 257) Mr.Thien Jiaranai Krabi Orchid Club
- 258) Mr.Sommai Kaimook Phangnga Orchid Club
- 259) Mr.Damrong Duangkae Phuket Orchid Club
- 260) Mr.Manit Yamprayun

 Ayutthaya Orchid Grower Group

2 Cut Flower, Flowering Potted Plant and Garden

2.1 Celosia argentea, Gerbera, Etlingera and Gloxinia

President

 Dr.Luckkana Petchpradup Maejo University

Committee

- Mr.Prisarn WorrauraiCut Flower Trader
- Dr.Sume Arunnarot
 King Mongkui's Institute of Technology Ladkrabang
- Dr.Siwaporn Thamdee
 Chiang Mai University

2.2 Greyfeather, Gloriosa, Kalanchoe and Petunia

President

 Assoc.Prof.Nuntiya Wattanaphum Chiang Mai University, President

Committee

- Assoc.Prof.Thanya Taychasinpitak Kasetsart University
- Mr.Anun Boonme
 Royal Project Foundation
- 4) Dr.Weenun BunditChiang Mai University

2.3 Dahlia and Rose

President

 M.R.Adchareechai Rujvichai Cut Flower Trader, President

Committee

- 2) Assoc.Prof.Sununta Rattanawadee Chiang Mai University
- Dr. Chit Inpar
 Maejo University
- 4) Mrs.Chamchuree Sotthikul Chiang Mai University

2.4 Strelitzia, Heliconia, Fuchsia and Geranium

President

Dr.Nuttha Potapohn
 Chiang Mai University, President

Committee

2) Dr.Kanjana Saetiew

King Mongkul's Institute of Technology Ladkrabang

3) Mrs.Kanitha Senawong

Royal Project Foundation

4) Dr.Chantalak Tiyayon

Chiang Mai University

2.5 Chrysanthemum and Lilium / Lily

President

Dr.Pimchai Apavatjrut
 Chiang Mai University, President

Committee

2) Mr.Niwat Ubonrat

Ubonrat Garden

3) Mr.Teeraphan Toteerakul

Doi Tung Development Project

4) Ms.Sulita Kantaumong

Chiang Mai University

2.6 Glory Lilly, Curcuma, Gladiolus and Poinsettia

President

1) Dr.Surawit Wannakrairoj

Kasetsart University

Committee

2) Dr.Nopmanee Topoonyanont

Maejo University

3) Ms. Uraiwan Thaya

Ministry of Agriculture and Cooperatives

4) Ms.sasirin Athima

Chiang Mai University

2.7 Anthurium, Aster, Hippeastrum (Amaryllis) Begonia

President

1) Prof.Sompian Kasemsap

Kasetsart University

Committee

2) Mrs.Rewadee Wuttijumnong

Maejo University

3) Dr.Setthapong Lekawattana

Ministry of Agriculture and Cooperatives

4) Mrs.Fongchan Sooksawat Na Ayudhya

Chiang Mai University

2.8 Hydrangea, Eustoma (Liaianthus), Alstromeria, Impatiens balsamina Linn and Clerodendum thomsoniae Balf.f.

President

1) Dr.Pisit Voraurai

Consultant for Plant Genetic Conservation Project under the Royal initiative of Her Royal Highness Princess Maha Chakri Sirindhorn

Committee

2) Mrs.Kanittha Duangsong

Maejo University

3) Nawandee Suriyawong

Royal Project Foundation

4) Mrs.Pornthip Ponperm

Highland Research and Development Institute (Public Organization)

2.9 Gladiolus, Sainpaulia (African Violet) and Torenia

President

 Dr.Oradee Sahawatcharin Kasetsart University

Committee

2) Dr.Songwut Petchpradup

Maejo University

3) Mr.Phunsup Seubma

Kasetsart University

4) Ms.Apiradee Puuyodying

Highland Research and Development Institute

(Public Organization)

2.10 Carnation, Sansevieria, Pink Ginger, Red Ginger, Limonium, Azalea and Bougainvillea

President

Dr.M.L.Anothai Chumsai
 Green World Genetics Company Limited

Committee

2) Mrs.Urai Smith

Cut Flower Trader

3) Dr.Soraya Ruamrungsi

Chiang Mai University

4) Ms. Vilaiporn Thamta

Chiang Mai University

2.11 Adenium

President

1) Mr.Thawee Srinuan
Lanna Adenium Association

Committee

- Mr.Supoj Phadungpat
 Lanna Adenium Association
- Sgt.Seksun Yemkongmueng Lanna Adenium Association
- 4) Mr.Surapon Onnon
 Lanna Adenium Association
- 5) Mr.Teeraphop Viboonmaleerat Lanna Adenium Association
- 6) Mrs.Lalitaya Nummesri Chiang Mai University

2.12 Euphorbia milii

President

Mr.Visun Suwannarat
 Chiang Mai Euphorbia milii Society, President

Committee

- Mr.Somsak Sawatrak
 Chiang Mai Euphorbia milii Society
- Mr.Fhaen Sae-Heng
 Chiang Mai Euphorbia milii Society
- Mr.Vichai Sriwongpornthana
 Chiang Mai Euphorbia milii Society
- Dr.Sawai Booranapanichphan
 Chiang Mai University
- 6) Ms.Nittaya Wongchai Chiang Mai University

2.13 Office Interior and Front Yard Spot Garden

President

Mr.Kanok Wienrawee
 Chiang Mai University, President

Committee

- Mr.Sathapana Kittikul Chiang Mai University
- Assoc.Prof.Sirichai Hongwittayakorn
 Maejo University

- 4) Dr. Porntham Thamwimol
 Fine Arts Department
- Dr.Viphakorn Thamwimol
 Plandscape Company Limited
- 6) Ms.Kittiyaporn Bowonwattana Chiang Mai University

3 Potted Plants and Gardens

3.1 Anthurium and Philodendron

President

 Assoc.Prof.Dr.Nuttha Phothaporn Chiang Mai University, President

Committee

- Dr.Weenun BunditChiang Mai University
- Dr.Chit Inpar
 Maejo University
- Dr.Settapong Lekawattana
 Department of Agriculture Extension
- 5) Mr.Chetphun CharoentonChiang Mai Ornamental Plant Society

3.2 Aglaonema and Dieffenbachia

President

 Asst.Prof.Thanit Malisuwan Maejo University, President

Committee

- Assoc.Prof.Dr.Soraya Ruamrungsi Chiang Mai University
- Ms.Chamjuree Sotthukul
 Chiang Mai University
- Mr.Kittichai Limtawong
 Chiang Mai Ornamental Plant Society
- 5) Mr.Suchart ChinworaprasertChiang Mai Ornamental Plant Society

3.3 Begonia (Foliage Begonia) and Calathea

President

Mr.Potchana Nakwatchara
 Chiang Mai Ornamental Plant Society, President

Committee

Assoc.Prof.Nunthiya Wattanaphum Chiang Mai University

- Asst.Prof.Lukhana Petchpradub Maejo University
- Asst.Prof.Chalermsri Nontasawatsri Maejo University
- Mrs. Wilawan Chaichana
 Chiang Mai Ornamental Plant Society

3.4 Bromeliad

President

 Asst.Prof.Songwut Petchpradup Maejo University, President

Committee

- Assoc. Prof. Dr. Adisorn Krasaechai
 Chiang Mai University
- Mr.Kamchat Netsiri
 Chiang Mai Ornamental Plant Society
- Dr.Surachet Phongpunya MD. Suanprung Hospital
- 5) Mr.Punlop Rungrusmee
 Chiang Mai Ornamental Plant Society

3.5 Cactus and Succulent Plant

President

Mr.Visun Suwannarat
 Chiang Mai Ornamental Plant Society, President

Committee

- Asst.Prof.Dontri Jirapattharapimol
 Chiang Mai Ornamental Plant Society
- Mr.Chanin Thorat
 Cactus and Succulent Plant Grower Club
- Mr.Boonsak Binjammaree
 Chiang Mai Ornamental Plant Society
- 5) Mr.Niyomrath Traisri

3.6 Caladium

President

Col.Vinai Puksrisuk
 Siam Caladium Association

Committee

- Mrs.Kanittha Duangsong Maejo University
- Mrs.Salinda Pirentorn
 Siam Caladium Association

- 4) Mrs. Somkid Namueng Siam Caladium Association
- Mr. Manop Perapattanapong
 Chiang Mai Ornamental Plant Society

3.7 Codiaeum / Croton

President

 Asst.Prof.Boonmak Klomjoho Maejo University, President

Committee

- Mr. Danai Asananun
 Chiang Mai Ornamental Plants Society
- Mr. Weera Memuen
 Bang Krauy Croton Plants Association
- 4) Dr. Ketsini Sitthiwong Maejo University
- Mr. Kasem Cheunsa nguan
 Bang Krauy Croton Plants Association

3.8 Dracaena and Cordyline

President

 Assoc. Prof. Dr. Pimchai Apavatjrut Chiang Mai University, President

Committee

- Mrs. Rewadee Vuthijumnonk Maejo University
- Mr. Pinai Suttathamprapas
 Chiang Mai Ornamental Plants Society
- 4) Mr. Thongchai Jittasonthi
 Chiang Mai Ornamental Plants Society
- 5) Mr. Teeraphun TotirakulMae Fah Luang Foundation

3.9 Fern

President

Mr. Thrit Haritwara
 Fern Thai Association, President

Committee

- 2) Mr. Dusit Moryadee
 - Water Resources Department
- Mr. Watchara Pohthiket
 Fern Thai Association

- 4) Mr.Pithak Kiet Ubonpaiboon Fern Siam Association
- Mr.Thikumporn Chatapradit
 Chiang Mai Ferns Lover Association

3.10 Miniature and Bonsai

President

Mr.Nawares Koenkaew
 Wattanothaipayap School, President

Committee

- Mr.Tatthapol Sribuaphean Maejo University
- Mr.Bunyong Fangsiriwong Kawilawittayalai School
- Mr.Jumnong Tungtrakul
 Chiang Mai Bonsai Club
- 5) Mr.Kaengkhoi Sununta

 The Government Public Relations Department

3.11 Variegated Plants

President

 Asst. Prof. Chalit Phongsuphasamit Maejo University, President

Committee

- Mr.Thanawat RawdkhaMaejo University
- Mr.Pramote Rojrungreung
 Thai Ornamental Plants Association
- 4) Mr.Thanarat Wadeesirisak
 Chiang Mai Ornamental Plants Society
- Ms.Wipada Thangtaksin
 Department of Agriculture

3.12 Other Potted Plant

President

Mr.Udom Thittawattanasakul
 Thai Ornamental Plants Association, President

Committee

- Mr. Pisun Senanon
 Chiang Mai Ornamental Plants Society
- Mr.Apichart Jittanuyanon
 Royal Horticultural Society under the Royal Patronage

- 4) Dr.Pornphun Pupromphun Maejo University
- Dr.Pranom Yungkhammun Maejo University

3.13 Foliage Garden

President

 Prof.Horn.Dr.Prachid Wamanont Specialist, President

Committee

- Assoc.Prof.Sirichai Hongwittayakarn Maejo University
- Mr.Kophon Mongkolvuj
 Maejo University
- Mr.Suray Wannano
 Landscape Designer
- 5) Mr. Chalerm Kiat Chawachart Landscape Designer
- 6) Mr.Surasak JanophapMae Fah Luang Foundation
- Mr.Prawit Boonme
 Mae Fah Luang Foundation
- 8) Dr.Weeraphan Prisannun Landscape Designer
- Mr.Bunjong Somboonchai
 Maejo University
- Mr.Surapong Techa
 Maejo University

4 Floral Arrangement

President

Mr.Malcolm Angus
 New Zealand

Committee

- Mr.Greg Block, CSD, AIFD, FDA, SNZPF Australia
- 3) Ms.Els Hazenberg, AAF, AIFD, CAFA
 The Netherland
- 4) Ms.Els Tiwas, AIFD, CFD Indonesia
- 5) Mr.Anson Low, AIFD, CFD Singapore

Horticultural Exposition Royal Flora Ratchaphruek 2011

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5 Vegetable Mushroom Fruit Tea and Coffee

5.1 Fresh Fruit

President

1) Assoc.Prof.Chalongchai Babprasert Kasetsart University

Committee

2) Mr. Surapol Jarupong Department of Agriculture Extension

3) Mr.Chavalit Hunkaew Department of Agriculture Extension

4) Mr.Wirat Prabtuk Highland Research and Development Institute (Public Organization)

5) Mr. Taweesak Duangthong Department of Agriculture Extension

6) Mr. Kitsana Toncharoen Department of Agriculture Extension

7) Mr.Tawesak Saeng - Udom Department of Agriculture

8) Mrs.Supawan Kittipattanawit Department of Agriculture Extension

9) Mr.Sukhachai Chareangprasert Department of Agriculture Extension

10) Asst. Prof. Pawin Manochai Maejo University

11) Assoc.Prof.Dr.Suraphol Sreshthaputr Chiang Mai University

12) Mr.Manu Phosomboon Department of Agriculture Extension

5.2 Fruit in Pot

President

1) Assoc.Prof.Chalongchai Babpraserth Kasetsart University

Committee

2) Mr.Chavalit Hunkaew Department of Agriculture Extension

3) Asst.Prof.Ms.Daranee Danwandee Maejo University

4) Asst.Prof.Pawin Manochai Maejo University

5) Mr.Manu Phosomboon Department of Agriculture Extension

5.3 Arrange Fruit Decoration Party

President

1) Assoc.Prof.Chalongchai Babpraserth Kasetsart University

Committee

2) Mr. Supapong Jarupong Department of Agriculture Extension

3) Ms.Daranee Danwandee Maejo University

4) Asst.Prof.Pawin Manochai

University

5) Mr.Manu Phosomboon Department of Agriculture Extension

5.4 Garden Design in a House Area

President

1) Assoc.Prof.Sasiya Siripanich Kasetsart University

Committee

2) Asst.Prof.Dr.Sarawut PhonPho King Mongkui's Institute of Technology Ladkrabang

3) Asst.Prof.Chantana Witcharat Maejo University

4) Mr.Artha Praphunwattana Baanlaesuan Magazine

5) Mr. Wanchai Mookdarasme Department of Agriculture Extension

5.5 Mushroom

President

1) Mrs.Orasa Dissataporn Department of Agriculture Extension, President

Committee

2) Mrs.Achara Payappanon The Mushroom Researchers and Growers Society of Thailand

3) Asst.Prof.Dr.Prapan Osatapan Maejo University

4) Mr. Wisanu Harnsirichai Lanna Mushroom Center

5) Dr.Chana Phromtong

Thailand Institute of Scientific and Technological Research

5.6 Tea

President

Mr.Teerapong Thepkorn
 Tea Institute, Mae Fah Luang University

Committee

- Mr.Sompol NinvejDepartment of Agriculture
- Mr.TE WANG WANG
 Choui Ming Tea Company Limited
- 4) Mr.BINGSHEN ZHANG
 Choke Chamroen Tea Company Limited
- Mr.Weera Sae Seung
 Choui Fong Tea Company Limited

5.7. Coffee Bean

President

Mr.Chaiwat Chumpun
 Royal Project Foundation

Committee

- Mr.Manop HarnteweeDepartment of Agriculture
- Ms. Naruemol Taksa-Udom
 Thailand Coffee and Tea Association
- 4) Ms.Siriwang Wongsawan

 Doi Tung Development Project
- 5) Mr.Pathom Meekaew

 Quality Coffee Products Company Limited

12.5 List of Working Group

- Working Group for International Affairs, Conferences and InternationalGardens
- Working Group for Commemoration Activities, Exhibitions and Gardens Exhibition
- 3) Working Group for Horticultural Competitions
- 4) Working Group for Horticultural, Academic and Medicinal Plants Exhibition
- 5) Working Group for Public Relations
- Working Group for Protocol, Ceremony, Cultural Performance and Activities
- 7) Working Group for Management and Facilitation
- 8) Working Group for Marketing and Privilege
- 9) Working Group for Security and Traffic

12.6 Listof Sup - Working Group

- 1) Sub Working Group for Import and Export of Exhibits
- 2) Sub Working Group for Horticultural Competitions
 - Orchids
 - Vegetables, Mushrooms, Fruits, Tea and Coffee
 - Cut Flowers and Potted Plants
 - Ornamental Plants
- Sub Working Group for the International Horticultural Exhibition: Royal Flora Ratchaphruek 2011
 - Exhibitions, Activities and Gardens for the King
 - Horticultural Activities and Exhibitions
 - Orchid Exhibition
 - Herbal Activities and Exhibitions
 - Bug's World Exhibition
- 4) Working Group to follow up the progress of the International Horticultural Exposition : Royal Flora Ratchaphruek 2011
- 5) Working Group to appoint officers of the International Horticul tural Exposition : Royal Flora Ratchaphruek 2011 Office
- 6) Officer at Project Management Office of the International Horticultural Exposition: Royal Flora Ratchaphruek 2011
- 7) Committee and Sub-committee for International Conference
- 8) Committee and Sub-committee for National Conference

12.7 List of Sponsor

- 1) Samart Corporation Public Company
- 2) Thai Beverage Public Company Limited
- 3) Central Pattana Public Company Limited
- 4) Nation Multimedia Group Public Company Limited
- 5) Thai Air Asia Public Company Limited
- 6) TOT Public Company Limited
- 7) Workpoint Entertainment Public Company Limited
- 8) THAI Airways International Public Company Limited
- 9) Siamrath Company Limited
- 10) Amarin Printing & Publishing Public Company Limited
- 11) Muangthai life assurance Company Limited
- 12) Triple T Broadband Public Company Limited
- 13) Chiangmai Siam T.V. Company Limited





Exhibition Regulations

The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

DEFINITIONS AND INTERPRETATION

Definitions

Article 1

In this Exhibition Regulations (as hereinafter defined), the following words and expressions shall have the following meanings:

AIPH means the International Association of Horticultural Producers:

AIPH Regulations means the regulations of the International Association of Horticultural Producers which are in effect during the period on which the status of Thailand as a member of AIPH remains valid;

Corporate Gardens means the domestic outdoor gardens organized and maintained by Thai persons either natural or juristic persons at the specific area and throughout the exhibition period of Royal Flora Ratchaphruek 2011;

Exhibitors mean all natural of juristic persons either Thai of foreigners who have entered into the agreement for participating in Royal Flora Ratchaphruek 2011 with the Organizer;

Exhibited Products means all kinds of plants whether dead or alive, parts of plants, seeds, and things brought into the Exhibition Site for purpose of exhibition or competition by Exhibitors:

Exhibition Regulationsmeans the regulations for the preparation, management and other acts necessary for the organization of Royal Flora Ratchaphruek 2011 and the Indoor Exhibition Regulations, Outdoor Garden Exhibition Regulations and any other regulations issued by the Organizer in connection with Royal Flora Ratchaphruek 2011, including any amendment relating thereto, for which the Exhibitors both Thai and foreign nationals and the service partners shall comply with;

Exhibitors Site means the area of 80 ha located in Chiang Mai, Thailand, for organizing Royal Flora Ratchaphruek 2011;

Indoor Exhibition means the exhibitions of all kinds of plants including rare species and all kinds of products made from plants to be shown in the temporary and permanent buildings;

Indoor Exhibition Regulations means the regulations executed by the Organizer under and in connection with the Exhibition Regulations which apply to the organization, management and Exhibitors of the Indoor Exhibition only, provided always that the Organizer may amend these Indoor Exhibition Regulations from time to time;

International Gardens means the outdoor gardens

Organized and maintained by persons either natural or juristic persons invited by the Organizer, at the specific Area and throughout the exhibition period of Royal Flora Ratchaphruek 2011;

Materials mean soils, local potting substances;

Organizer means the Department of Agriculture, Ministry of Agriculture and Cooperatives and the private entity appointed by the Department of Agriculture to prepare and organize the Royal Flora Ratchaphruek 2011;

Outdoor Garden Exhibition means the garden to be shown outdoor throughout the Exhibition Site comprising of International Gardens and Corporate Gardens

Outdoor Garden Exhibition Regulation means the regulations executed by the Organizer under and in connection with the Exhibition Regulations which apply to the organization, management and Exhibitors of the outdoor Garden Exhibition only provided always that the Organizer may amend these outdoor Garden Exhibition Regulations from time to time;

International Indoor Garden Exhibition means the revolving indoor gardens exhibition organized and maintained by foreign Exhibitors invited by the Organizer, at a designated area in buildings for 20 days exhibition period;

Project Management Office means the private organization appointed by the Organizer pursuant to the Agreement for the Organization of Royal Flora Ratchaphruek 2011 to act as the implementation agency for the Organizer in organizing Royal Flora Ratchaphruek 2011;

Raw Space means the empty space in the Indoor Exhibition provided by the Organizer to each Exhibitor in which each Exhibitor shall be responsible for the decoration and management of such space throughout the period of the relevant Indoor Exhibition;

Royal Flora Ratchaphruek 2011 means the international horticultural exposition to be presented in Chiang Mai, Thailand from 9th November 2011 to 15th February 2012; and

Royal Flora Ratchaphruek 2011 Judging Committee Means the committee appointed pursuant to Article 100 of these Exhibition Regulations.

Semi-decorated Space means the space in the Indoor Exhibition provided, decorated and managed by the Organizer to the Exhibitors for their jointly use;

Temporary Indoor Exhibition means the revolving exhibitions of horticulture products namely flowers, ornamental plants, vegetables, fruits, mushrooms and herbs to be shown in buildings for a short period during Royal Flora Ratchaphruek2011;

Utilities means water, grey water, electricity access and electricity outlets (Including electricity consumption) used for the exhibition purposes only;

Interpretation

Article 2

The interpretation of these Exhibition Regulations shall be made pursuant to the provisions of International Horticultural Exhibitions Questionnaire dated 28 August 2008 approved by AIPH Regulations related hereto.

Where there is any matte which is not governed by the Exhibition Regulations, Indoor Exhibition Regulation, Outdoor Garden Exhibition Regulations or any other regulations issued and implemented in relating to Royal Flora Ratchaphruek 2011, such matter shall be decided by the Organizer. The decision of the Organizer shall be final.

GENERAL PROVISIONS

Organizer

Article 3

Royal Flora Ratchaphruek 2011 will take place in Chiang Mai from 9 November 2011 to 15 February 2012 the objectives for Royal Flora Ratchaphruek 2011 are as follows:

- 1. To commemorate three auspicious occasions:
 - 1.1 The 84th Birthday Anniversary of His Majesty the king.
 - 1.2 The 80th Birthday Anniversary of Her Majesty the Queen.
 - 1.3 The 60th Birthday Anniversary of His Royal Highness the Crown Prince Maha Vajiralongkorn.
- 2. To pay tribute to the perseverance of His Majesty the king, Her Majesty the Queen, and His Royal Highness the Crown Prince related to agricultural projects, both of the royal initiatives and the royal projects.
- To provoke the realization of the global warming by setting up a living demonstration of greenery through the planting of horticultural crops.

- 4. To demonstrate the potential in horticultural developments of Thailand as well as the exchange of horticultural science and technology, both at national and international levels.
- To promote and cooperate economic, social, culture and tourism among participating countries.

Royal Flora Ratchaphruek 2011 is a major International Horticultural Exhibition (CategoryA2/B1) within the meaning of the AIPH Regulations. For the purpose of organization, execution and management of Royal Flora Ratchaphruek 2011, the Organizer has appointed a private organization as Project Management Office which will be acting as the implementation agency of the Organizer. Unless otherwise specificied by the Organizer, any communication, correspondence, notices and information shall be delivered to or obtained from the Project Management Office.

International Convention, Registration and Exhibition Regulations

Article 4

The Guidelines on the Implementation of International Horticulture Exhibitions devised by AIPH will apply to this Royal Flora Ratchaphruek 2011. The text of these regulations is available for review by related persons at the premises of the Organizer and/or the project Management Office during normal office hour on Monday to Friday.

Royal Flora Ratchaphruek 2011 has been approved as A2/B1 category according to the decision of the AIPH Council on 29 October 2009.

The Exhibition Regulations, the Indoor Exhibition Regulations and Outdoor Garden Exhibition Regulations shall be available for review by related persons at the premises of the Organizer and/or the Project Management Office during normal office hours on Monday to Friday.

Admission

Article 5

Subject to any specific rules and regulations which may be adopted from time to time by the Organizer, Exhibitors in the following classes may be admitted to Royal Flora Ratchaphruek 2011:

- a. government authorities, provinces and municipalities;
- b. the organization and /or their associations of horticultural products from throughout the world; whose producing and selling of the plants or parts of plants as horticultural products; trees, fruits, flowers, cut flower, cut leaves, potted plants, horticultural seeds, vegetables, mushrooms, herbs, fragrant products and spa products whether dead or alive;
- c. group of members or assembly from Thailand and other countries whose objects are related to horticulture such as botany, gardens, landscape architecture, collection hobbyist, maintenance, recreation and nature conservation;
- d. inter-governmental and/ or private scientific institutions and/or research establishment specializing groups in horticulture and botany;
- e. botanical gardens, arboreta, institutions for horticultural and botanical education and government services for urban development and parks upkeep: and
- f. persons, associations, companies and institutions in Thailand and abroad whose object is to grow, produce, process or trade in horticultural products.

The Organizer may admit an Exhibitor who is not belonging to groups (a) to (f) as referred to above, if it considers this to be in the interests of the show. The Exhibitors, referred to in (a) to (f), can decide on a collective entry provided that this occurs within the context of existing umbrella organizations or participating countries. In a registration form for a collective entry, the applicants should list as far as possible the names of all Exhibitors. In the event of collective entries, an authorized representative must be appointed to represent the entry concerned in relation to the Organizer.

Article 6

Where any person applying to participate in Royal Flora Ratchaphruek 2011 has been granted an acceptance from the Organizer, such person shall be deemed to be the Exhibitor. It shall be deemed that the Exhibitors have acknowledged, understood and accepted to comply with the Exhibition Regulations.

There is no legal entitlement to admission as an Exhibitor. The Organizer cannot be held liable for any mistake regarding registration or the apportionment of the exhibition area.

Foreign Exhibits

Article 7

Foreign nationals intending to participate in Royal Flora Ratchaphruek 2011 must be formally invited by the Ministry of Agriculture and Cooperatives or Horticultural Science Society of Thailand or the Organizer and obtain a formal acceptance.

Article 8

No rent shall be charged for the exhibition area both Indoor Exhibition and Outdoor Garden Exhibition.

The Organizer shall provide all Exhibitors participating in the Indoor Exhibition and Outdoor Garden Exhibition with Materials and Utilities used in their exhibition area.

Foreign Exhibitors entries maybe arranged by participation in the International Garden and/or the International Indoor Gardens Exhibition and/or the Temporary Indoor Gardens Exhibition and/or the Temporary Indoor Exhibition for all or part of the duration of Royal Flora Ratchaphruek 2011 provided that the exhibits are relevant to the topics of particular Temporary Indoor Exhibition.

Article 9

The Exhibited Products must have a close connection with the country of the Exhibitor (for example, articles having their origin in the territory of, or created by nationals of that country). If permitted by the Organizer, the Exhibitors may use products from other country in their garden exhibition in order to complete the exhibition.

In the event of uncertainly about the origin of the Exhibited Products, the matter is decided by the Organizer. The decision of the Organizer shall be final. With the consent of the Organizer, the type, quantity and presentation of the Exhibited Product may be changed.

Article 10

The quality of the Exhibited Products must comply with the provisions of the Plant Quarantine Act 1964 as amended by the plant Quarantine Act (No.2) 1999 and the plant Quarantine Act (No.3) 2008 and must satisfy the stringent exhibition requirements which may reasonably be imposed in respect of an Exhibited Product. All of the exhibited products shall comply strictly with the Convention on International Trade in Endangered Species of wild Fauna and Flora (CITES), and subject to the plans Act 1975 as amended by the plants Act (No. 2) 1992 and related regulations.

The Organizer is entitled to refuse entries and / or products which do not satisfy these requirements even after they have been entered-and/or to have them removed at the expense of the Exhibitors. The Exhibited Product to class entered must be cared must be carefully packed and marked by its class.

Article 11

The Organizer shall, if requested by the Exhibitors, arrange for the efficient upkeep of the foreign entries at the expense of the Exhibitors.

Thai Exhibits

Article 12

No rent shall be charged for the exhibition area both Indoor Exhibition and Outdoor Garden Exhibition.

The Organizer shall provide all Thai Exhibitors participating in the door Exhibition and Outdoor Garden Exhibition with Utilities used in their Exhibition area.

Their entries may be arranged by participant in the Corporate Garden and/or the Indoor Exhibition for all or part of the duration of Royal Flora Ratchaphruek 2011 Provided that the exhibits are relevant to topics of a particular Indoor Exhibition.

Article 13

The quality of the entry must satisfy the stringent exhibition requirements which may reasonably be imposed in respect of an Exhibited Products which do not satisfy these requirements even after they have been entered-and/or to have them removed at the expense of the exhibitors. The Product to be entered must be carefully packed and marked according to kind.

The exhibited Products must be free of contagious diseases and harmful insects. If the Exhibited Products should nonetheless be suffering from a contagious disease or bee harboring harmful insects when delivered, the exhibitors shall be liable to the Organizer and/or third parties for all harmful consequences or damage caused as a result.

Article 14

The Organizer shall, if requested by the Exhibitors, arrange for the efficient upkeep of the entries of the Exhibitors.

Ownership

Article 15

The Exhibitors shall have the ownership in the Exhibited Products or have the legal rights to exhibit the Exhibited Products. Exhibitors of new products must be the breeder of such new products or have been authorized by the latter to exhibit such new products. The exhibition of new products of other plant breeding firms is possible, but must be stated in the registration form.

The labels shall bear the name of the exhibitors and producers or plant breeder. Where Exhibitors and Products are bred by the Exhibitors himself, only the name of Exhibitors or breeders will be mentioned in such cases.

Fitting Out and Upkeep

Article 16

Unless otherwise agreed, the Exhibitors are obliged to fit out the space in good time and at their own expense. In doing so they should observe the provisions of these Exhibition Regulations.

Article 17

In addition to the costs of the product to be exhibited, the Exhibitors shall bear cost of looking after the plants, replacing them in good time.

Article 18

If the plants are not looked after adequately and / or replaced in time or if the Exhibited Products is not removed from the exhibition in good time, the Organizer shall be entitled to do this or have it done at the expense of the Exhibitors

Article 19

The Exhibitors shall be entitled to retract their declaration of participation either in whole or in part, if the Exhibitors are able to prove that they compelled to do so by force majeure.

The Exhibitors shall notify the Organizer in writing within three days from the date on which they are aware of such event.

Vacation

Article 20

The vacation of the exhibition area should be arranged by and the expense of the Exhibitors, unless provided otherwise. For Outdoor Exhibition, the vacation period is within 1 month after the Exhibition is over For International Indoor Garden Exhibition and Temporary Indoor Exhibition; the vacation period is within 2 days after it is over. The period for vacation of the space must be strictly observed.

Where the Organizer notify the Exhibitors in writing of the period to vacate and/or remove his exhibition material pursuant to Articles 75 and 93 and the period so notified is shorter than the period in the first paragraph of this Article 20, the period specified in the notice shall apply.

Transportation

Article 21

Once admitted, guidelines for transportation and delivery of the Exhibited Product shall be delivered to every foreign Exhibitor. Foreign Exhibitors must themselves

bear the costs of transportation and delivery of the exhibited plants and any part thereof to Thailand. The Organizer shall provide foreign Exhibitors with transportation services for the two - way trip from the national border (customs post, airport) to location of the international Garden or the stand at the Indoor Exhibition.

The Organizer shall not be obliged to provide transportation services for the return leg of journey for cut flowers and if the exhibited plants on the exhibition stand are sold in Thailand.

Article 22

The Exhibitors shall use and appropriate transportation and observe the guidelines of the exhibition forwarder provided by the Organizer.

Article 23

The expense of packaging shall be borne by the Exhibitors

Article 24

The formal exhibition forwarders contracted by the Organizer shall be responsible for obtaining customs clearance of the transported products from abroad upon their arrival in Thailand or at the customs clearance office located at the Exhibition Site as the case may be.

Article 25

The costs of the insurance of the transport from the site of shipment to the Exhibition Site shall be borne by the Exhibitors

Customs Provisions

Article 26

Import duties and exemptions are by the relevant provisions of the AIPH Regulations, which provides for temporary exemption from import duties where the importers are required to present invoices

Article 27

The Organizer shall, for convenience purposes, arrange for the customs clearance and phytosanitary service at the Exhibition Site.

Article 28

The products imported for temporary exhibition shall be exempted from import duties where the products are delivered out of the territory of Thailand as previously agreed. If the products are not delivered out of the territory of Thailand, import duties as required by laws shall be imposed.

Article 29

The customs authorities should be informed in good time of the disposal of products which have any value as a result of being exhibited. Any Exhibitors who fail to do so shall be liable to taxes.

The convention on international Trade in Endangered Species of Wild Fauna and Flora (CITES) and Plants Quarantine Provisions

Article 30

Article 30 (abrogated)

Article 31

The Organizer shall arrange for plant quarantine services under the Convention on International Trade in Endangered species of Wild fauna to be provided at the exhibition site.

Liability and Insurance

Article 32

The Organizer shall take insurance for its own property and third parties liabilities foe persons within the Exhibition Site.

The Exhibitors should take insurance for damages occurred to property owned by the Exhibitors or to the staff of the Exhibitors or others involved in royal Flora Ratchaphruek 2011.

Exhibitors or others involved in Royal Flora Ratchaphruek 2011 should have or take adequate liability insurance and be prepared to deliver to the Organizer evidence of such insurance.

Article 33

Subject to the consent of the Exhibitors, if the Organizer deems appropriate, it shall insure other risks at the expense of the Exhibitors, without this involving the Organizer in any responsibility to pay the insurance premium or compensation for any damages. At the request of the Exhibitors, the insurance may be extended to cover any risks occurred during the transportation to and from the Exhibition Site. The Exhibitors shall, however, be free to have themselves insured if necessary with any insurance companies.

Article 34

Each Exhibitor either organization or country may have its own insurance covering:

- (1) loss or damage either in whole or in part of the Exhibited Products belonging to such country: or
- (2) material damages (fire, property damages, theft etc.) and / or legal liability (harm, accidents etc) against third parties.

Each Exhibitor having the insurance covering risks referred to in (1) and (2) above shall submit to the Organizer, a written declaration stating that it:

- (a) waives all right against the Organizer, the staff of the Organizer and the other Exhibitors;
- (b) undertakes to indemnify third parties against all damage incurred pursuant to civil law or damages having substantive nature for which its liability is acknowledged.

Article 35

The Organizer accepts no liability whatever for losses of or damage to the Exhibited Products during shipment and transportation; the Exhibitors are therefore advised to take out a goods-in-transit insurance policy for the Exhibited Products.

Article 36

Subject to the consultation between AIPH and the Organizer, the Organizer may indemnify for the loss of value of the exhibited plants according to the AIPH Regulation and any other related agreement between AIPH and the Organizer.

Judging and Awards

Article 37

Awards will be granted to Exhibitors who join competitions and are eligible for this purpose.

Judging committees will be appointed to award decisions in competitions. Membership of the jury is an honorary post in the horticultural sector; no remuneration is therefore provided for this activity.

Article 38

Prizes, in money or other kinds as to be determined by the Organizer, shall be awarded for competitions.

Publicity, Labeling and Name - Plate Article 39

The Exhibited Products shall be labeled by the Organizer using the information supplied by the Exhibitors. The Exhibitors shall give the generic and specific botanic names, the name of the variety and the name of the Exhibitors or breeders, as the case may be. The alternative of any name mentioned above will be discussed between Exhibitors and Organizer in accordance with the guidelines governing Thai horticultural nomenclature.

Article 40

Where the name of the Exhibition Products is mentioned free of charge in an exhibition catalogue of the Organizer or in a comparable publication of the Organizer, no claims for compensation can be made against the Organizer in the event of error in the publication.

Article 41

Any extra labeling or other advertising at Royal Flora Ratchaphruek 2011 shall be permitted only with the prior approval of the Organizer.

Article 42

Labeling showing the name of organizer and countries of origin of the Exhibitors shall be in a uniform name plate. Any awards which the exhibit has won shall be show on the name-plate in such a way that the visitors know the grounds on which the award was given. The declaration of the awards should be placed alongside the award winning product or presentation. Awards for the overall presentation and the arrangement of the exhibit shall be mentioned separately.

Protection of Property and Rights and plant Breeder's Rights

Article 43

Copyright shall remain vested in the author' who permits the Organizer to publish all or part of his work before, during or after Royal flora Ratchaphruek 2011.in this connection, the names of the authors shall always be stated, unless otherwise agreed by the Organizer and the author concerned. The symbols, logos of Royal Flora Ratchaphruek 2011 are protected under trade mark law and may not be used by Exhibitors or others without the prior written consent of the Organizer.

Article 44

Any international and Thailand regulations relating to plant breeder's right shall remain vested to all Exhibitors.

Commercial and Promotional Activities Article 45

The Exhibitors are entitled to deposit a limited number of pamphlets and promotional material in their exhibition area; the form, content etc. of such pamphlets shall be a matter on which the organizer decides. The Exhibitors are prohibited from selling or delivering the Exhibited Product directly during the period of Royal Flora Ratchaphruek 2011. However, they are permitted to note down orders, provided that they do so in an appropriate manner and that the public is not inconvenienced by this. If the Exhibitors fail to comply with this Article, the Organizer shall be authorized, after giving an initial warning, to prohibit the noting of orders for the remainder of the exhibition.

The Organizers of horticulture exhibitions recognized by AIPH may publicize their own events at Royal Flora Ratchaphruek 2011. This publicity shall, however, satisfy the aesthetic standards that apply to a horticultural exhibition and the relevant design should be presented for approval to the Organizer.

Article 46

With a view to distribution of information, the Exhibitors are entitles to arrange for information area only as part of the official, national stands (stands representing countries, or regions' or communities' stands representing countries) which take up an approximately area of 500 sq.m. Each information

area must not exceed 15 percent of their exhibition area and incorporated in the stand in such a way that it is not visible to the general public.

The design and display of the information area must be in keeping with the aesthetic criteria that apply to a horticultural show; the design of the information area and the way it fits into the stand therefore together with the list of the information to be distributed have to be submitted for approval to the Organizer within the period specified by the Organizer.

Sponsoring

Article 47

Subject to certain conditions, Exhibitors may arrange for their event to be sponsored by third parties. The sponsoring requires the prior approval of the Organizer. Sponsors of Exhibitors cannot make any claim to or derive any rights from the sponsorship policy of the organizer.

Catalogues

Article 48

The Organizer shall publish a catalogue of Royal Flora Ratchaphruek 2011, for which the Exhibitors must supply the requisite particulars within the period specified by the Organizer. A supplementary sheet containing information about temporary exhibitions shall be published.

The Organizer accepts no responsibility for late publication or for any errors or spelling mistakes in or defects of this catalogue or the supplementary sheets.

Admission Tickets

Article 49

The Organizer shall make available such number of free admission tickets, for a specific period of validity, to the Exhibitors, Exhibitors' staff and others who have to work on the Exhibition site before, during or after the holding of Royal Flora Ratchaphruek 2011 as it considers necessary, taking account of the size and duration of Royal Flora Ratchaphruek 2011.

Other Provisions

Article 50

The Organizer is entitled to, on the ground of force majeure or unforeseeable circumstances, cancel all of part of Royal Flora Ratchaphruek 201, move part of it or limit the period in which it is open. These decisions may be taken with the consent of the AIPH. The Exhibitors shall be immediately notified of any such decision.

Article 51

The Organizer shall not be liable for any circumstances whatsoever happened as the result of force majeure or unforeseeable circumstances.

As the result of force majeure or unforeseeable circumstances, the Organizer shall, in any cases, not be liable or responsible for any costs or damages occurred to the Exhibitors in relation to the preparation to participate in Royal Flora Ratchaphruek 2011.

Article 52

The interpretation of the various sets of the Exhibition Regulations is one of the powers of the Organizer. The Organizer recognizes the exclusive and complete competence of AIPH in matters concerning the correct application of the AIPH regulation.

Article 53

In the event of a dispute between the Organizer and the Exhibitors, it shall be referred to AIPH for a decision in case of case of competence of AIPH, and to arbitration rules of Thailand in all other cases.

Article 54

Where any provision of the Exhibition Regulations in English version is in contrary to the Thai version, the provision of the Thai version shall prevail. In the event of a breach an infringement of the Exhibition Regulations, the Organizer shall be empowered to bar the offender from the show or to deprive him of his right to participate, temporarily or permanently.

In Such a case the Organizer shall not be obliged to pay any compensation, without prejudice to its right to recover compensation from the offender.

Article 55

All agreements, undertakings and special arrangements made or given orally shall apply only after written confirmation by the Organizer.

PROVISIONS CONCERNING OUTDOOR GARDEN EXHIBITION

Time and Organization

Article 56

The outdoor presentations of countries, organizations and /or firms shall take place during the period in which royal Flora Ratchaphruek 2011 is open. The Organizer, if it deems appropriate, may appoint any person to be responsible for the organization and to manage of the Outdoor Garden Exhibition. The person appointed by the Organizer shall organize and manage the outdoor Garden Exhibition under the supervision or approval of the Organizer and shall report the Organizer of all matters related to the organization and management of the Outdoor Garden Exhibition.

The person so appointed may request the Organizer to issue the Outdoor Garden Exhibition Regulations which shall be applied to Exhibition of the Outdoor Garden Exhibition provided always that the Outdoor Garden Exhibition Regulations shall be in consistent with the Exhibition Regulations. Where any provision of the Outdoor Garden Exhibition Regulations is in contrary to the Exhibition Regulations, the provision of the Exhibition Regulations shall prevail.

The Organize may delegate all or part of its duties and responsibilities under these Exhibition Regulations to the person appointed under the first paragraph of this Article 56.

Article 57

The competition of the Outdoor Garden Exhibition shall take place at a time and place to be determined by the Organizer.

Participation

Article 58

Thai Exhibition and foreign Exhibitions shall comply with Article 5 and Article 13 of these Exhibition Regulations respectively.

Thai Exhibitors who intend to register shall obtain the registration form at the office of the Organizer.

Article 59

In the registration forms, the Exhibitors shall provide the information or documentation as prescribed by the Organizer.

Article 60

The person applying to participate in the Outdoor Garden Exhibition shall summit the design of and material used for their exhibition to the Organizer within the period specified by the Organizer for approval.

Article 61

Following the registration and the approval of the design The Exhibitors shall enter into agreement with the Organizer. If the Exhibitors intend to transfer the right in the garden exhibition to the Organizer or other designated person, the Exhibitors shall notify the Organizer in writing of such intention within the period specified by the Organizer.

Article 62

The Exhibitors for corporate Gardens, which are the domestic outdoor gardens of Thai Exhibitors shall the design of the garden of and materials used for their exhibition within the period specified by the Organizer. If the Exhibitors fail to deliver such document, it shall be deemed that the Exhibitors waive their rights to participate in Royal Flora Ratchaphurek 2011. The Organizer shall then be entitled to transfer the rights to use the exhibition area of such Exhibitors to other persons.

Article 63

The Exhibitors may organize the exhibition themselves or assign their duties to contractors appointed or recommended by the Organizer.

Planting and Upkeep

Article 64

The areas intended for the Outdoor Gardens Exhibition shall be made available by the Organizer pursuant to the following condition:

- a. the area to be delivery shall be raw space; (new garden only)
- b. the Materials and Utilities shall be provided by the Organizer;
- c. connecting points for utilities such as water, electricity shall be provided at site of the exhibition by the Organizer; and
- d. the consumption of water and electricity used within the Exhibition area will be provided by the Organizer.

The Organizer shall arrange at its expense for the general utilities of the exhibitions. The following shall be at the expense of the Exhibitors:

- a. the Exhibited Products and the accompanying auxiliary materials
- b. the arrangement of the exhibition of each Exhibitor;
- the Exhibitors shall be responsible for the construction of the garden exhibition.
- d. The actual cost of area management such as security and cleaning of the garden exhibition in proportion to the exhibition area.
- e. the upkeep of the exhibit and the timely replacement there of
- f. the removal of all Exhibited Products from the Exhibition Site within one month after the Exhibition is over; and

Article 65

The Exhibitions shall maintain their garden exhibitions at the good condition at all times throughout the period of Royal Flora Ratchaphruek 2011.

Article 66

The Exhibitors shall plant and tend their own expense. If necessary, the Organizer will be prepared to undertake this other upkeep wholly or partly in consideration of prices quoted in advance for each category of work and each occasion on which it is performed.

If the Exhibitors who have instructed the Organizer to be responsible for keeping their entry in good condition and the Organizer agreed to perform fail to make payment referred to above, the Organizer reserves the right to carry out the requisite upkeep at the expense of the Exhibitors after giving them one warning. The Organizer is obliged to keep the other parts of the Exhibition Site in a condition appropriate to the show.

Article 67

If the Exhibitors wish to take special measures for the planting and upkeep and for the delivery of building and work materials and objects for the fitting out of the entry, such special requirement shall be referred to in the agreement entered into between the Exhibitors and the Organizer. The expense of carrying out these special requirements shall be borne solely by the Exhibitors.

Article 68

Although the Organizer has approved the construction plan of the garden exhibition, if the plant cover contains open areas which, in the opinion of the Organizer, detract from the overall visual effect of the exhibit, the Organizer shall be entitled to intervene after informing the Exhibitors of its opinion. In the event of default, the Organizer shall be entitled to supplement the plants of the Exhibitors in an appropriate manner and at the expense of the Exhibitors.

Article 69

The Organizer shall be entitled to remove (or cause to be removed) from Royal Flora Ratchaphruek 2011 plants which it considers to be diseased. This shall be done at the expense of the Exhibitors.

Article 70

The Organizer shall provide information and/or organize meeting of Exhibitors by May 2011, before the start of the planting work in order to provide the Exhibitors with information about the competition and for the guidance of the Exhibitors.

Construction

Article 71

The Exhibitors shall submit the construction plan of their garden exhibition to the Organizer for approval prior to the execution of the agreement to organize the garden exhibition. The plan shall be deemed to be part of the agreement. If pavilions or other structures are erected in the Outdoor Garden Exhibitors, the construction plan of such pavilions or other structures must be submitted to the Organizer for approval together with the construction plan of the garden exhibition.

If the Exhibitors alter or do not follow the approved construction plan, the Organizer shall notify the Exhibitors to rectify the default within 7 days. If the Exhibitors fail to do so, the Organizer shall remove the said construction at the expenses of the Exhibitors.

Article 72

The Organizer shall decide on the size of each garden and its position on the Exhibition Site. The decision of the Organizer shall be final.

Other Provisions regarding Outdoor Garden Exhibition

Article 73

The materials and plants to be exhibited shall not be the materials or plants which may be endangered or cause any harm or adversely affect to the composition of Royal Flora Ratchaphruek 2011. The Exhibitors shall submit details of such materials and plants together with the construction plan of the garden exhibition to the Organizer for approval.

The Exhibitors are entitled to construct or replace the plants exhibited during the time agreed by the Organizer.

The Exhibitors are entitled to use special type of planting materials after obtaining an approval from the Organizer.

Article 74

Packaging materials, boxes and other materials shall be taken away by the Exhibitors after they have been emptied and left at the place specified by the Organizer.

Where the Organizer provides rooms for these materials, the Exhibitors shall temporarily store such materials at located exhibition premises. The storage rooms are provided for convenience purposes only. The Organizer shall not be responsible for any loss or damages occurred to the stored materials.

Vacation of Exhibition Area

Article 75

If the Exhibitors expressed their intention to transfer the rights in the garden exhibitors to the Organizer or the other entity designated by the Organizer and the Organizer or such entity confirms the acceptance of the transfer, the Exhibitors and the Organizer/designated entity shall jointly arrange for the completion of the transfer within the period specified by the Organizer.

If the Exhibitors did not intend to transfer the rights in the garden exhibitors to the Organizer or the other entity designated by the Organizer or the Organizer or the said entity refuses to accept the transfer, the Organizer shall notify the Exhibitors in writing of the time frame for returning the exhibition area. The Exhibition shall dismantle the garden exhibitions out of the exhibition area, vacate, remove exhibition materials and return the exhibition area to the Organizer at the time specified by the Organizer. All of this shall be done by and at the expense of the Exhibitors.

To dismantle, vacate, and delivery the exhibition area to the Organizer, the Exhibitors shall comply with the exhibition manual to be delivered to the Exhibitors by the Organizer.

PROVISIONS CONCERNING INDOOR EXHIBITION

Time, Organization and Location

Article 76

The Indoor Exhibitions shall take place during the period in which Royal Flora Ratchaphruek 2011 is open or during part of that period. The Organizer, if it deems appropriate, may appoint any person to be responsible for the organization and the management of the Indoor Exhibition. The person appointed by the Organizer shall organize and manage the Indoor Exhibition under the supervision or approval of the Organizer and shall report the Organizer of all matters related to the organization and management of the Indoor Exhibition.

The person so appointed may request the Organizer to issue the Indoor Exhibition Regulations which shall be applied to Exhibitors of the Indoor Exhibition provided always that the Indoor Exhibition Regulations shall be in consistent with the Exhibition Regulations. Where any provision of the Indoor Exhibition Regulations is in contrary to the Exhibition Regulations, the provision of the Exhibition Regulations shall prevail.

The Organizer may delegate all or part of its duties and responsibilities under these Exhibition Regulations to the person appointed under the first paragraph of this Article 76.

Article 77

The competitions of the Indoor Exhibition shall take place at a time and place to be determined by the Organizer. Plants or materials exhibited shall be presented for competition.

Article 78

The Indoor Exhibition shall take place in the exhibition hall, and possibly in such other buildings as may be designated by the Organizer.

The Organizer may divide space of Indoor Exhibition to be Semi - decorated Space and raw space. The Organize shall decide the composition of the Semi decorated Space and raw space.

Participation

Article 79

Thai Exhibitors and foreign Exhibitors shall comply with Article 5 and Article 13 of these Exhibition Regulations respectively.

The Organizer mat grants pre-emption right to foreign Exhibitors participating in the International Garden who intend to participate in the Indoor Exhibition. The persons who do not participate in the International Garden will have subordinate rights in participating in the Indoor Exhibition.

Any Thai persons either natural or juristic persons intending to participate in the Indoor Exhibition are required to join the process of designated qualifying selection in order to obtain the acceptance to be the Exhibitors

Thai Exhibitors who intend to register shall obtain the registration form at the Project Management Office.

Article 80

In the registration forms, the Exhibitors provide the following information or documentation :

- a. the topics of Indoor Exhibitors they wish to take part;
- b. the required exhibition area;
- c. the intention to participate in a competition; and
- d. type of plants and decorative material to be used at t heir exhibition.

Article 81

Exhibitors who wish to take part in Indoor Exhibition should register within the period specified by the Organizer.

Where the Exhibitors intend to use raw space for the Indoor Exhibition, the Exhibitors shall submit the construction plan

Exhibition, the Exhibitors shall submit the construction plan of the garden exhibition to the Organizer for approval within the period specified by the Organizer.

Article 82

Following the acceptance by the Organizer, the Exhibitors shall enter into agreement for participating in the Indoor Exhibition within the period specified by the Organizer.

Article 83

The Exhibitors using the Semi-decorated Space for participating in the Indoor Exhibition shall organize their exhibition in the Forms and procedures prescribed by the Organizer.

The Exhibitors using the raw space for participating in the Indoor Exhibition may organize the exhibition themselves or assign their duties to contractors appointed or recommended by the Organizer at the Exhibitors.

Planting and Upkeep

Article 84

The Organizer shall provide and allocate the exhibition area for the Semi-decorated Space of the Indoor Exhibition and shall be responsible for expenses, maintenance and decoration of the exhibited area. The Exhibitors shall deliver the Exhibited Products to the Organizer at the specific time and place.

The areas intended for the Indoor Exhibition shall be made available by the Organizer pursuant to the following condition:

- a. the area to be delivery shall be raw space;
- there shall be connecting points for utilities such as water and electricity.

Article 85

The following shall be at the expense of the Exhibitors:

- a. the Exhibited Products and the accompanying auxiliary materials;
- the arrangement of the exhibitor (Exhibitors using raw space for the indoor Exhibition only);
- c. the upkeep of the exhibit and the timely replacement thereof; and
- d. the removal of all Exhibited Products from the Exhibition site.

The Organizer shall arrange at its expense for the general utilities of the Indoor Exhibition.

Article 86

The Exhibitors shall maintain their garden exhibitions exhibited at the raw space or maintain their plants at the Semi - decorated Space at the good condition at all times throughout the relevant Indoor Exhibition at their own expense. If necessary, the Organizer will be prepared to undertake this other upkeep wholly or partly in consideration of prices quoted in advance for each category of work and each occasion on which it is performed.

If the Exhibitor who have instructed the Organizer to be responsible for keeping their entry in good condition and the Organizer agreed to perform fail to make payment referred to above, the Organizer reserves the right to carry out the requisite upkeep at the expense of the Exhibitor after giving them warning.

The Organizer is obliged to keep the other part of the Exhibition site in a condition appropriate to the show.

Article 87

If the Exhibitors wish to take special measures for the planting and upkeep and for the delivery of building and work materials and objects for the fitting out of the entry, such special requirements shall be requirement shall be referred to in the agreement entered into between the Exhibitors and the Organizer. The expense of carrying out these special requirements shall be borne solely by the Exhibitors.

Article 88

Although the Organizer has approved the construction plan of the garden exhibition or does not make any objection to the list of plants to be exhibited, if, in the opinion of the Organizer, the plants to be exhibited in the Semi-decorated Space or raw space detract from the overall visual of the exhibit, the Organizer shall to intervene after informing the Exhibitors of its opinion. In the event of default, the Organizer shall be entitled to supplement the plants of the Exhibitors in an appropriate manner and at the expense of the Exhibitors. The Organizer shall be entitled to remove (or cause to be removed) from Royal Flora Ratchaphruek 2011 plant which it consider to be diseased. This shall be done at the expense of the Exhibitors.

Article 89

The Organizer shall provide information and/ or organize meetings of Exhibitors at reasonable time before the start of the planting work in order to provide the Exhibitors with information about the competition and for the guidance of the Exhibitors.

Construction

Article 90

The contractors appointed by the Exhibitors and the Exhibitors who do their own arrangement shall work in consultation with and on the approval of the organizer.

The Exhibitors organizing their exhibition on raw space are obliged to harmonize the design of their stand with the overall design. Detailed plans for the arrangement of the exhibit shall be submitted to the Organizer for approval within the period specified by the Organizer.

Article 91

The Exhibitor may construct or replace plants the time agreed by the Organizer.

Article 92

Packaging materials, boxes and other materials shall be taken away by the Exhibitors after they have been emptied and left place specified by the Organizer.

Where the Organizer provides rooms for these materials, the Exhibitors shall temporarily store such materials at those certain places.

The storage rooms are provided for convenience purposes only. The Organizer shall not be responsible for any loss or damages occurred to the stored materials.

Article 93

To enable the paths to be completed, the exhibit must be ready within the time specified by the Organizer.

Vacation of Row Space

Article 94

The Exhibitors using raw space for participating in the International Indoor Garden Exhibition shall dismantle the garden exhibition out of the exhibition area, vacate, remove exhibition materials and return the exhibition area to the Organizer within 2 days and also the Exhibitors participating in the Temporary Indoor Exhibition shall return the exhibition area within 2 days, at the expense of the Exhibitors. If the Exhibitors fail to do so within the designated period, the Organizer shall dismantle exhibition the area at the expense of the Exhibitors.

Removal of Exhibited Products out of Semi - decorated Space

Article 95

Each Exhibitor shall receive the Exhibited Products from the Organizer within 2 days or any other extended period at a place specified by the Organizer. If the Exhibitors fail to do so within the specific period, the Organizer shall not be responsible for any lass or damage occurred to the Exhibited Products.

Article 96

Thai Exhibitors may note down orders for the Exhibited Products presented at the Indoor Exhibition and arrange for the delivery the said Exhibited Products only after the end of the Indoor Exhibition.

Foreign Exhibitors may note down orders for the Exhibited

Products presented at the Indoor Exhibition, but arrange for the delivery of the said products only after the end of the Indoor Exhibition and relevant customs duties and tax have been paid

Article 97

Foreign Exhibitors shall receive exhibition manual relating to the customs procedures and phytosanitary.

PROVISIONS CONCERNING JUDGING AND AWARDS

Organization

Article 98

The Organizer shall inform the Exhibitors in advance of the categories and regulations of competitions for the Outdoor and Indoor and Indoor Exhibitions.

Article 99

The holding of competitions and the arrangements for judging the entries and marking the awards shall be the responsibility of the Royal Flora Ratchaphruek 2011 Judging Committee.

Juries

Article 100

The Organizer shall appoint one or more international Royal Flora Ratchapruek 2011 Judging Committee for the competition of International Garden or Indoor Exhibition specifically on the topics that the Organizer deems appropriate in consultation with AIPH. The Organizer shall appoint one or more nations Royal Flora Ratchaphruek 2011 Judging Committee for the competition of Corporate Garden or other competitions form expertise in each field as the Organizer deems appropriate.

The Jury of Honor consisting of 9 persons with the Chairman and majority of members drawn from outside the host country. At least two members are to be nominated by the executive committee of AIPH. While the appointment of some distinguished persons who are not horticulturists is acceptable, organizers must ensure that the Jury of Honor incorporates a high level of horticultural expertise.

Article 101

Royal Flora Ratchaphruek 2011 Judging Committee and Jury of Honor shall be independent from the Organizer. If Royal Flora Ratchaphruek 2011 Judging Committee or Jury

of Honor requires any assistance from the Organizer, the Royal Flora Ratchaphruek 2011 Judging Committee or Jury of Honor requires any assistance from the Organizer, the Organizer shall, subject to their capacity, support Royal Flora Ratchaphruek 2011 Judging Committee or Jury of Honor as requested.

Article 102

The international Royal Flora Ratchphruek 2011 Judging Committee which has been appointed pursuant to Article 100 may not take part in judging their owns entries.

Royal Flora Ratchaphruek 2011 Judging Committee decides by majority voting in a secret ballot. Each member of the committee shall have one vote. Where

There is any conflict relating to the result of the competition, the Jury of Honor shall decide. The decision of Jury of Honor shall be final.

Article 103

Each of Royal Flora Ratchaphruek 2011 Judging Committees shall consist of at least three persons, except for the Royal Flora Ratchaphruek 2011 Judging Committee responsible for judging the temporary shows of the Indoor Exhibition shall consist of at least at least five persons.

Royal Flora Ratchaphruek 2011 Judging Committee shall meet at lasts 3 times before making decision for each competition. Royal Flora Ratchaphruek 2011 Judging Committee shall set up the meeting schedule as they deem appropriate.

Competitions

Article 104

The Exhibitors who have expressed their intention to participate in a competition/stand may participate in the competition / stand may participate in a competition / stand concerned. If the Exhibitors intend to withdraw from the competition, they shall notify the Organizer at least 14 days prior to the date of such competition.

Article 105

Exhibits at temporary shows held within Royal Flora Ratchaphruek 2011 should be judged separately by Royal Flora Ratchaphruek 2011 judging Committee of at least five persons who must complete their judging prior to the opening of Royal Flora Ratchaphruek 2011.

Basic of judging

Article 106

Royal Flora Ratchaphruek 2011 judging Committee shall not have any duties to check the origins of plants or materials proposed for each competition. If there is cause to doubt whether an entry is the Exhibitor's own work, the Organizer should be immediately notified this.

Article 107

Royal Flora Ratchaphruek 2011 judging Committee shall prescribe the regulations for the competition and judge the competition in accordance with the prescribed regulations. Royal Flora Ratchaphruek 2011 judging Committee shall award decision for each competition of the Indoor Exhibition by considering the qualification of the plants and materials proposed for competition in each round of Indoor Exhibition. The judging for the competition of international gardens shall be determined at two honorary jury rounds; one prior to the opening and the second one towards the ending of the exhibition times for outdoor gardens. For International Indoor Gardens, there is one honorary jury round prior to the opening.

Awards

Article 108

Royal Flora Ratchaphruek 2011 judging committee shall determine criteria of judging, the number and value of the award for each competition. The awards may consist of prizes and honorary certificates. In addition, special prizes and honorary prizes may be awarded.

Outline for the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 International Competition

1. Objective

The International Horticultural Exposition: Royal Flora Ratchaphruek 2011 is held to commemorate three auspicious occasions, namely, The 84th Birthday Anniversary of His Majesty the King, The 80th Birthday Anniversary of Her Majesty the Queen and The 60th Birthday Anniversary of His Royal Highness the Crown Prince. Considering that the International Competitions are among the most important activities in the Royal Flora Ratchaphruek 2011, the organizer, therefore, launches the competition events which comply with the rules and regulations of the International Horticultural Exposition set by International Organization of Horticultural Producers (AIPH) to disseminate knowledge of works of His Majesty the King, Her Majesty the Queen and His Royal Highness the Crown Prince concerning agricultural work both in Royal Projects and Private Projects.

The International Competitions consist of 2 major types, namely, International Garden Competition and International Horticulture Competition in 5 categories as follows: Orchid, Flowering Plant, Foliage Plant, Floral Arrangement, Vegetable/ Mushroom/ Fruits/Tea and Coffee. These categories are also complied with the rules and regulations of the International Horticultural Exposition set by International Organization of Horticultural Producers (AIPH). However, the organizer holds the right to include any new category of the International Competitions as an extra activity.

The Royal Flora Ratchaphruek 2011 The International Competitions aim to demonstrate the role and application of horticulture, agriculture including agricultural technology in energy conservation and global warming reduction, as well as present the The competitions also offer an opportunity to exchange horticultural knowledge and technology in both nation level and international level, in order to promote the mutual collaboration in economy for example import and export of agricultural products, tourism, hotel and accommodation including service and hospitality industry.

The International Competitions in Royal Flora Ratchaphruek 2011 held by the cooperation with professionals and experts in horticulture from domestic and overseas will create a truly enjoyable and exciting experience for all visitors throughout the exhibition. Expectedly, the Royal Flora Ratchaphruek 2011 The International Competitions will greatly draw attention from horticulturalists, experts in horticulture and visitors, as well as become a crucial role which leads the International Horticultural Exposition: Royal Flora Ratchaphruek 2011 to high achievement.

2. Title

The International Horticultural Exposition: Royal Flora Ratchaphruek 2011

3. Organizer

Ministry of agriculture and cooperatives
Department of agriculture
Department of agriculture Extension
Maejo University
Chiang Mai University

WFC: World Flower Council

4. Schedule for Exhibition and judging Dates

| No. | Exhibition Name (preliminary) | Judging Date | Duration Date | Remark |
|-----|--|--|--|----------------------|
| 1 | Orchid: Individual Plant, Container display, Cut Flower and New Varieties) (class 1, 2, 3 and 4) | First Week on 13 Dec. 11 and every next week on Thursday | First week on 14 Dec. 11 and every next week on Friday | Orchid Pavilion |
| 2 | Flowering plant: cut flower, Flower display, Garden (class 5 and 6) | 13 Dec 54 | 14-20 Dec 54 | Exhibition Hall2 |
| | Flowering plant: Garden (class 5) | 13 Dec 54 | 14-20 Dec 54 | Exhibition Hall2 |
| 3 | Ornamental plants: Potted plants (class 8) | 5 Jan 55 | 6–12 Jan 55 | Exhibition Hall2 |
| | Ornamental plants: Garden plants (class 9) | 12 Jan 55 | 13–22 Jan 55 | Exhibition Hall1 |
| 4 | Floral Arrangement (class 10) | 8–13 Mar 55 | 8–14 Mar 55 | Exhibition Hall2 |
| | Fruits Vegetable Mushroom Tea and Coffee: Mushroom, Amateur, Fruits, Potted Fruit, Arrange fruit decoration party (class 11, 12, 13, 15) | 9 Feb 55 | 10–16 Feb 55 | Exhibition Hall1 |
| 5 | Fruits Vegetable Mushroom Tea and Coffee: Garden (class 14) | 9 Feb 55 | 10–16 Feb 55 | Exhibition Hall1 |
| | Fruits Vegetable Mushroom Tea and Coffee: Tea Coffee (class 16) | 9 Feb 55 | 10–16 Feb 55 | Exhibition Hall1 |
| 6 | International Outdoor (class 17) | 13 Dec 54 | 14–26 Dec 54 | Exhibition Hall1 |
| 7 | International Outdoor (class 18) | 2 round on 13 Dec 54 and 14 Mar 55 | 14 Dec 54–14 Mar 55 | International Garden |

5. Subjects of Judging for the International Competitions

For the Indoor Competition: Gardens (Presentation) and Products

For the Outdoor Competition: International Gardens

6. Class of Competitions

Competitions are held in 18 Classes according to the exhibition schedule. Applicants can check the exhibition schedule of their entries as shown in this manual. If the entered for competition are different from those appeared in the application form, the organizer reserves the right to further process those products with their own decision.

In the case of the Indoor Competition, it is possible to have the products judged at the entry location. The entries are grouped and categorized in accordance with the tables of competition class provided in this manual. The number of items that you must supply for a competition is also shown in the tables.

The term competition in used when there is a minimum of 5 entries from at least 3 entrants. If this is not the case, the entries come under the "Other" category

Entries cannot be entered more than once when they are exactly the same.

7. Application for the Royal Flora Ratchaphruek 2011 International Competitions

Application for the Royal Flora Ratchaphruek 2011 is done through an entry system. Please apply for the competition with the application form and submit it to Project Management Office of International Horticultural Exposition: Royal Flora Ratchaphruek 2011 no later than 4 weeks before each judging date, except those who inform the organizer or their necessary and receive the prior consent. For further details on the methods of applying, please refer to the methods of carrying out the International Horticultural Exposition: Royal Flora Ratchaphruek 2011.

Certain conditions for some competition classes may also apply. Please contact the co-organizer of the respective competition classes for inquiries.

8. Judge

In the Royal Flora Ratchaphruek 2011, Judging is done in two stages, first, the Class Judging' held in each exhibition and second, the Group Judging for the best works from the class judging.

Judges are appointed by the Commissioner of the Royal Flora Ratchaphruek 2011. A marking and con conference system shall be followed as suggested by the guidelines of AIPH.

9. Jury Committee

Judging will be performed by members of the juries. The judges are appointed by the Commissioner of the Royal Flora Ratchaphruek 2011.

(1) (Class Jury) Class Jury has a membership of not less than 3 members. Members will be recognized horticulturists who are experts in the classes which they judge. The Class Jury shall be responsible for judging and warding Gold, Silver, and Bronze (also First, Second, Third or Compliment Prizes) The Decision of the Class Jury is final.

(2) (Group Jury)

Group Jury is responsible for awarding Group Prizes (Best Prizes) and is composed of the heads of the individual class juries.

(3) (Grand Jury)

Grand Jury consists of 9 members. 5 of them are from foreign countries and the other 4 members are Thai. There will be 2 rounds for judging at this stage. The first round will be held before the opening of the Exposition and the second round will be held before the closing of the Exposition.

Formation of Juries

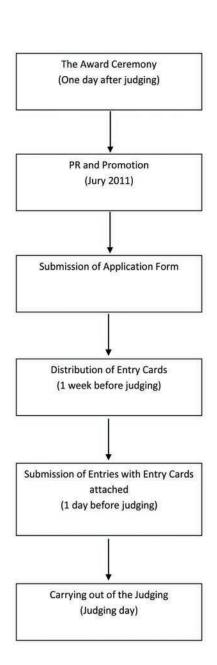
| Juries | Appointment | Number of Jury/ Judges | Duty |
|-------------------------------|---|--|--|
| Jury of Honor (Grand Jury) | By the Sub – Committee on Administrative Management, Public Relations and Activities of Royal Flora Ratchaphruek 2011 in consultation with AIPH | Total 1/9 (1 Jury of Honor Consists of 9 members of which, the chairman and majority members shall be from abroad) | Judge permanent entries (int'l gardens) The Chairman validates awards of other juries; settles dispute arising during or as a result of judging process. |
| Group Jury | Heads of each class jury will be members of Group Juries. | To be decided | Judge recipients of Gold Prizes in Each class. |
| Class Jury | By the Sub-Committee on Administrative Management, Public Relations and Activities of Royal Flora Ratchaphruek 2011 | To be decided Each Class jury consist of not less than 3 members | Judge temporary entries of different competition classes and categories |

10. Awards

The awards will be given out at the award ceremonies, time & laces shall be determined by the organizer. The winners will be announced by the organizer. Pursuant to AIPH Regulation, the organizer will guarantee prize money for the winners, except the international Gardens, the awards of which shall be trophies. Monetary awards prize will be awards as per Table of Prizes and Monetary Awards according to the results of judging in the Royal Flora Ratchaphruek 2011 International Competitions.

The winners of Gold, Silver and Bronze will receive the award certificates by post after the judging.

In addition to the prizes of the organizer, there is an AIPH prize (7,500) and award for the international competition. The Grand Jury will judge according to the AIPH criteria in their first jury round.



Methods of Carrying Out the International Competition of Horticulture in Royal Flora Ratchapruek 2011

1. The Procedure of the Competition The Procedure of the Competition from the Applications to Judging is described below

1. PR and Promotion

- PR of the competition including invitation launch;
- Delivery of the information to the public;
- Distribution of PR materials of competition;
- **2. Submission of Application From** Applications forms must be submitted 4 weeks before the date of judging, expect those who inform the competition management team of their necessary and receive the prior consent
- **3. Distribution of entry cards** The organizer distributes entry cads to the applicants in 2 weeks after receiving the application forms submitted within the deadline of entry. Entry cards are attached together with other necessary documents for entering the Exposition e.g. venue map, pick-up and drop-off station etc. to facilitate all applicants
- **4. Submission of entries with entry cards attached** The applications are required to attach the entry cards to each entry.
- **5. Carrying out of the Judging** The applicants are not allowed to be near their exhibition when the judging is going on.
 - The winners will be announced by the organizer by the date shown in this manual.
 - The winners will be announced to the public.
 - Award ribbon will be attached to the winners' products by the organizer.

6. The Award ceremonies

The award winner shall be requested to participate in the award ceremony.

2. Application for the Competition

Applicants are required to complete an application form and submit it at least 4 weeks prior to competition day, expect those who inform the organizer of their necessary and receive the prior consent. For the small garden competition applicants must submit an application form and gardening plan to the organizer at least 4 weeks prior to the competition day.

Closing date of application is 4 weeks before the judging day. (This rule is expect for Tea and Coffee Competition which require time for lab testing) After you entry has been confirmed by the organizer, entry cards will be sent. The entry cards must be presented to the organizer and attached to the entry products on the day of entry submission.

It is possible to change or replace the entry products in the same class, however, the applicants must inform of this change or replacement to the organizer before the judging day. The organizer may contact the applicants to confirm contents of the application forms handed in by the applicants.

Criteria The International Horticutural Exposition: Royal Flora Ratchaphruek 2011 International Competitions

Classes of International Competitions

| Class 1 | Orchid: Orchid individual plant |
|----------|---|
| Class 2 | Orchid: Container Display |
| Class 3 | Orchid: Cut flower |
| Class 4 | Orchid: New Varieties |
| Class 5 | Flowering plant: Cut Flower |
| Class 6 | Flowering plant: Flower display |
| Class 7 | Flowering plant: Garden |
| Class 8 | Foliage plant: Potted plants |
| Class 9 | Foliage plant: Garden |
| Class 10 | Floral Arrangement |
| Class 11 | Fruits, Vegetable, Mushroom, Coffee and Tea: Mushroom |
| Class 12 | Fruits, Vegetable, Mushroom, Coffee and Tea: Fruits |
| Class 13 | Fruits, Vegetable, Mushroom, Coffee and Tea: Potted plants |
| Class 14 | Fruits, Vegetable, Mushroom, Coffee and Tea: Garden |
| Class 15 | Fruits, Vegetable, Mushroom, Coffee and Tea: Fruit decoration for a party |
| Class 16 | Fruits, Vegetable, Mushroom, Coffee and Tea: Tea and Coffee |
| Class 17 | International Indoor Garden Exhibition |
| Class 18 | International Outdoor Garden |

Competition Class

Class 1 Orchid: Individual Plant

(11 Groups, 110 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|--------------------------------------|--------|---|--------------------------|
| 010000 | Ascocentrum, Ascocenda, Vascostylis, | 010001 | Ascocentrum species and hybrids | 1 |
| | (from Rhynchostylis coelestis) | 010002 | Ascocenda, Vascostylis: Large (flower size more than 5 cm): red, pink, red-purple | 1 |
| | | 010003 | Ascocenda, Vascostylis: Large (flower size more than 5 cm): yellow, orange, green | 1 |
| | | 010004 | Ascocenda, Vascostylis: Large (flower size more than 5 cm): blue and others | 1 |
| | | 010005 | Ascocenda, Vascostylis: Large (flower size more than 3-5 cm): red, pink, red-purple | 1 |
| | | 010006 | Ascocenda, Vascostylis: Large (flower size more than 3-5 cm): yellow, orange, green | 1 |
| | | 010007 | Ascocenda, Vascostylis: Large (flower size more than 3-5 cm): blue and others | 1 |
| | | 010008 | Ascocenda, Vascostylis: Large (flower size more less than 3 cm): red, pink, red-purple | 1 |
| | | 010009 | Ascocenda, Vascostylis: Large (flower size more less than 3 cm): yellow, orange, green | 1 |
| | | 010010 | Ascocenda, Vascostylis: Large (flower size more less than 3 cm): blue and others | 1 |
| 010100 | Cattleya&Alliance | 010101 | Species Include all Epidendrum | 1 |
| | Cymbidium, Grammatiophylum & | | | |
| | Terrestrial | 010102 | Hybrids: Large (flower size more than 10 cm) lavender, red, pink | 1 |
| | | 010103 | Hybrids: Large; white, semi-alba, splash | 1 |
| | | 010104 | Hybrids: Large; red, orange | 1 |
| | | 010105 | Hybrids: Large; yellow & yellow with colored lip | 1 |
| | | 010106 | Hybrids: Medium (flower size from 5 to 10 cm) lavender, red, pink | 1 |
| | | 010107 | Hybrids: Medium (flower size from 5 to 10 cm) white, semi-alba, splash | 1 |
| | | 010108 | Hybrids: Medium (flower size from 5 to 10 cm) red, orange | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|------------|--------|--|--------------------------|
| | | 010109 | Hybrids: Medium (flower size from 5 to 10 cm) yellow & yellow with colored lip | 1 |
| | | 010110 | Hybrids: Small (flower size less than 5 cm) lavender, pink, white & white with colored lip | 1 |
| | | 010111 | Hybrids: Small (flower size less than 5 cm) red, orange | 1 |
| | | 010112 | Hybrids: Small (flower size less than 5 cm)) yellow & yellow with colored lip | 1 |
| | | 010113 | Hybrids: Small (flower size less than 5 cm)) splash with any colors background | 1 |
| | | 010201 | Cymbidium species | 1 |
| 010200 | | 010202 | Grammatiophylum species and hybrids | 1 |
| | | 010203 | Cymbidium hybrids and their Intergeneric Hybrids; pink, red | 1 |
| | | 010204 | Cymbidium hybrids and their Intergeneric Hybrids; other colors | 1 |
| | | 010205 | Calanthe species and hybrids | 1 |
| | | 010206 | Spathoglottis species | 1 |
| | | 010207 | Spathoglottis Hybrids: yellow | 1 |
| | | 010208 | Spathoglottis Hybrids: pink & red | 1 |
| | | 010209 | Spathoglottis Hybrids: other colors | 1 |
| | | 010110 | Other species | 1 |
| 010300 | Dendrobium | 010301 | Species: Section Dendrobium | 1 |
| | | 010302 | Species: Formosae | 1 |
| | | 010303 | Species: Pedilonum | 1 |
| | | 010304 | Species: Stachyobium | 1 |
| | | 010305 | Species: Other species | 1 |
| | | 010306 | Hybrids: Phalanopsis type; white and white color lip | 1 |
| | | 010307 | Hybrids: Phalanopsis type; lavender, red, pink | 1 |
| | | 010308 | Hybrids: Phalanopsis type; other colors | 1 |
| | | 010309 | Hybrids: semi-Phalanopsis type; white and white color lip | 1 |
| | | 010310 | Hybrids: semi-Phalanopsis type; lavender, red, pink | 1 |
| | | 010311 | Hybrids: intermediate type; other colors | 1 |
| | | 010312 | Hybrids: intermediate type; white and white color lip | 1 |
| | | 010313 | Hybrids: intermediate type; lavender, red, pink | 1 |
| | | 010314 | Hybrids: intermediate type; other | 1 |
| | | 010315 | Hybrids: Antelope type; single colored | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|--------------------------------------|--------|--|--------------------------|
| | | 010316 | Hybrids: Antelope type; bi-colored | 1 |
| | | 010317 | Hybrids: Miniature; Phalaenopsis type | 1 |
| | | 010318 | Hybrids: Miniature; other | -1 |
| | | 010319 | Hybrids: Nobile type | 1 |
| | | 010320 | Other hybrids | 1 |
| 010400 | Oncidium & Alliance | 010401 | Species | 1 |
| | | 010402 | Hybrids: Large (flower size more than 3 cm); yellow | -1 |
| | | 010403 | Hybrids: Large (flower size more than 3 cm); other colors | 1 |
| | | 010404 | Hybrids: Large (flower size less than 3 cm); yellow | 1 |
| | | 010405 | Hybrids: Large (flower size less than 3 cm); other colors | 1 |
| | | 010406 | Hybrids: Miniature (plant height equal or less than 3 cm) | -1 |
| 010500 | Paphiopedilum, Include Phragmipedium | 010501 | Species type: Parvisepalum | -1 |
| | and Cypripeddium | 010502 | Species type: Brachypetalum; yellow with spots | 1 |
| | | 010503 | Species type: Brachypetalum; white with spots | 1 |
| | | 010504 | Species type: Brachypetalum; albino form | 1 |
| | | 010505 | Species type: Paphiopedilum; Coryopedilum | 1 |
| | | 010506 | Paphiopedilum Hybrids: Parvisepalum type and Brachypetalum type | 1 |
| | | 010507 | Paphiopedilum Hybrids: Multiflcra type | -1 |
| | | 010508 | Paphiopedilum Hybrids: Sequential type and other cross section | 1 |
| | | 010509 | Hybrids Paphiopedilum: Maudiae type; vinicolor, coloratum | 1 |
| | | 010510 | Hybrids: Paphiopedilum: Maudiae type; green | 1 |
| | | 010511 | Paphiopedilum: Hybrids; complex | 1 |
| | | 010512 | Phragmipedium and Cypripedium species & hybrids | 1 |
| 010600 | Phalaenopsis, Doritis&Doritaenopsis | 010601 | Species | 1 |
| | | 010602 | Hybrids: Pink, lavender, reddish purple | 1 |
| | | 010603 | Hybrids: White & white with red lip | 1 |
| | | 010604 | Hybrids: All stripes, Include yellow, white, pink and any color background | 1 |
| | | 010605 | Hybrids: Yellow or yellow with spots | 1 |
| | | 010607 | Hybrids: Fine spots or large dark purple spots (Harlequin type) | 1 |
| | | 010608 | Hybrids: Other color | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|------------------------------|--------|--|--------------------------|
| 010700 | Renanthera, Arachnis, Mokara | 010701 | Arachnis species and hybrids | 1 |
| | | 010702 | Renanthera species and hybrids | 1 |
| | | 010703 | Renanthera intergeneric hybrids | 1 |
| | | 010704 | Arachnis intergeneric hybrids (exclude Mokara) | 1 |
| | | 010705 | Mokara: Mauve or blue | 1 |
| | | 010706 | Mokara: Pink or red | 1 |
| | | 010707 | Mokara: Yellow and other colors | 1 |
| 010800 | Rhynchostylis | 010801 | Species: White | 1 |
| | | 010802 | Species: Red & pink | 1 |
| | | 010803 | Species: Spotted | 1 |
| | | 010804 | Species: Other colors | 1 |
| | | 010805 | Hybrids and Intergeneric hybrids | 1 |
| 10900 | vanda | 010901 | Vanda coerulea | 1 |
| | | 010902 | Other Vanda species | 1 |
| | | 010903 | Vanda-terete or semi-terete hybrids | 1 |
| | | 010904 | Vanda-quarter-terete hybrids | 1 |
| | | 010905 | Vanda-strap-leaf hybrids: red | 1 |
| | | 010906 | Vanda-strap-leaf hybrids: pink | 1 |
| | | 010907 | Vanda-strap-leaf hybrids: blue | 1 |
| | | 010908 | Vanda-strap-leaf hybrids: yellow, orange, white | 1 |
| | | 010909 | Vanda-strap-leaf hybrids: two tone and others | 1 |
| 11000 | Other Genera & Intergeneric | 011001 | Bulbophyllinae & Castasetinae: Species | 1 |
| | | 011002 | Bulbophyllinae & Castasetinae: Hybrids | 1 |
| | | 011003 | Aerides: Species & hybrids | 1 |
| | | 011004 | Aerides: Intergeneric Hybrids | 1 |
| | | 011005 | Capital other orchid species: Plant equal or less than 25 cm | 1 |
| | | 011006 | Others orchid species: Plant height more than 25 cm | 1 |
| | | 011007 | Others orchid species: Plant height equal or less than 25 cm | 1 |
| | | 011008 | Other orchid hybrids: Plant height more than 25 cm | 1 |
| | | 011009 | Fragrant orchid | 1 |

Competition Class

Class 2 Orchid: Container display

(1 Group, 5 Categories)

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| No. | Group | Code | Category | Number Per Variety |
|--------|---------------------------|--------|-------------------|-----------------------|
| 020000 | Orchid: Container display | 020001 | Cattleya | 1 |
| | | 020002 | Dendrobium | 1 |
| | | 020003 | Vanda & Ascocenda | 1 |
| | | 020004 | Other genera | 1 |
| | | 020005 | Mixed genera | 1 |

Competition Class

Class 3 Orchid: Cut flower (3 Groups, 19 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|-------------------|--------|--|-----------------------|
| 030000 | Dendrobium | 030001 | Phalaenopsis type: Purple Red | 10 |
| | | 030002 | Phalaenopsis type: Pink | 10 |
| | | 030003 | Phalaenopsis type: Other colors | 10 |
| | | 030004 | Intermediate type: White | 10 |
| | | 030005 | Intermediate type: Purple Red | 10 |
| | | 030006 | Intermediate type: Pink | 10 |
| | | 030007 | Intermediate type: Purple-White | 10 |
| | | 030008 | Intermediate type: Other colors | 10 |
| | | 030009 | Other | 10 |
| 030100 | Mokara and Aranda | 030101 | Large size: Pink, Purple, Blue (clear or speckled) | 10 |
| | | 030302 | Large size: Yellow, Orange (clear or speckled) | 10 |
| | | 030103 | Large size: Other colors | 10 |
| | | 030104 | Small size: Red (clear or speckled) | 10 |
| | | 030105 | Small size: Other colors | 10 |
| 030200 | Other | 030201 | Arachnis, Aranthera, Arachnostylis | 5 |
| | | 030202 | Oncidium | 5 |
| | | 030203 | Vanda Hybrids, Large size | 5 |
| | | 030204 | Vanda Hybrids, medium to small size | 5 |
| | | 030205 | Other | 5 |

Competition Class

Class 4 Orchid: New varieties

(2 Groups, 4 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|-------------------------|--------|-------------------------------|-----------------------|
| 040000 | Orchid Individual Plant | 040001 | Vanda and Ascocenda | 1 |
| | | 040002 | Mokara and Aranda | 1 |
| | | 040003 | Dendrobium | 1 |
| | | 040004 | Other | 1 |
| 040100 | Orchid Cut Flower | 040101 | Vanda and Ascocenda | 5 |
| | | 040102 | Dendrobium: Phalaenopsis type | 5 |
| | | 040103 | Dendrobium: Intermediat type | 5 |
| | | 040104 | Other | 5 |

Competition Class

Class 5: Cut flower

(24 Groups, 110 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|----------------------------------|--------|-----------------------------------|-----------------------|
| 050000 | Anthurium/ Anthurium sp. | 050001 | Obake | 5/50 |
| | | 050002 | Red | 5/50 |
| | | 050003 | Pink | 5/50 |
| | | 050004 | White | 5/50 |
| 050100 | Aster/ Aster sp. | 050101 | Ericoides group-Decorative-Pink | 5/50 |
| | | 050102 | Ericoides group-Decorative-Purple | 5/50 |
| | | 050103 | Ericoides group-Decorative-White | 5/50 |
| 050200 | Bird of Paradise/ Strelitzia sp. | 050201 | White | 5/70 |
| | | 050202 | Orange | 5/70 |
| 050400 | Carnation/ Dianthus sp. | 050301 | Pink | 5/40 |
| | | 050102 | Yellow | 5/40 |
| 050400 | Carnation/ Dianthus sp. | 050401 | Single type-Red | 5/50 |
| | | 050402 | Single type-Pink | 5/50 |
| | | 050403 | Single type-White | 5/50 |
| | | 050404 | Single type-Yellow | 5/50 |
| | | 050405 | Single type-Red | 5/50 |
| | | 050406 | Single type-Pink | 5/50 |
| | | 050407 | Single type-White | 5/50 |
| | | 050408 | Single type-Yellow | 5/50 |

| No. | Group | Code | Category | Number Per Variety |
|--------|---------------------------------|--------|-------------------------------------|-----------------------|
| 050500 | Celasia/ Celosia sp. | 050501 | Red | 5/50 |
| | | 050502 | Pink | 5/50 |
| | | 050503 | Yellow | 5/50 |
| 050600 | Chrysanthemum/ Dendranthema sp. | 050601 | Standard type-Decorative-Red/Bronze | 5/60 |
| | | 050602 | Standard type-Decorative-Pink | 5/60 |
| | | 050603 | Standard type-Decorative-White | 5/60 |
| | | 050604 | Standard type-Decorative-Yellow | 5/60 |
| | | 050605 | Standard type-Spider- Red/Bronze | 5/60 |
| | | 050606 | Standard type-Spider-Pink | 5/60 |
| | | 050607 | Standard type-Spider-White | 5/60 |
| | | 050608 | Standard type-Spider-Yellow | 5/60 |
| | | 050609 | Spray type-Single-Red/Bronze | 5/60 |
| | | 050610 | Spray type-Single-Pink | 5/60 |
| | | 050611 | Spray type-Single-White | 5/60 |
| | | 050612 | Spray type-Single-Yellow | 5/60 |
| | | 050613 | Spray type-Anemone-Red/Bronze | 5/60 |
| | | 050614 | Spray type-Anemone-Pink | 5/60 |
| | | 050615 | Spray type-Anemone-White | 5/60 |
| | | 050616 | Spray type-Anemone-Yellow | 5/60 |
| 050700 | Dahlia/ Dahlia sp. | 050701 | Red | 5/50 |
| | | 050702 | Pink | 5/50 |
| | | 050703 | Yellow | 5/50 |
| 050800 | Gayfeather/ Liatris sp. | 050801 | White | 5/40 |
| | | 050802 | Purple | 5/40 |
| 050900 | Gerbera/ Gerbera sp. | 050901 | Single type-Red | 5/50 |
| | | 050902 | Single type-Pink | 5/50 |
| | | 050903 | Single type-White | 5/50 |
| | | 050904 | Single type-Yellow | 5/50 |
| 051000 | Gladiolus/ Gladiolus sp. | 051001 | Red | 5/80 |
| | | 051002 | Pink | 5/80 |
| | | 051003 | White | 5/80 |
| | | 051004 | Yellow | 5/80 |
| | | 051005 | Orange | 5/80 |
| | | 051006 | Purple | 5/80 |
| 051100 | Glory lily/ Gloriosa sp. | 051101 | Red | 5/50 |
| | | 051102 | Pink | 5/50 |

| No. | Group | Code | Category | Number Per Variety |
|--------|------------------------------------|--------|--------------------------------|-----------------------|
| 051200 | Heliconia/ Heliconia sp. | 051201 | Upright-Red | 5/70 |
| | | 051202 | Upright-Pink | 5/70 |
| | | 051203 | Upright-Yellow | 5/70 |
| | | 051204 | Pendant-Red | 5/70 |
| | | 051205 | Pendant-Pink | 5/70 |
| | | 051206 | Pendant-Yellow | 5/70 |
| 051300 | Hydrangea/ Hydrangea sp. | 051301 | Pink | 5/40 |
| | | 051302 | White | 5/40 |
| | | 051303 | Light blue | 5/40 |
| 051400 | Hydrangea/ Hydrangea sp. | 051401 | Asiatic group-Orange | 5/60 |
| | | 051402 | Asiatic group-Pink | 5/60 |
| | | 051403 | Asiatic group-White | 5/60 |
| | | 051404 | Oriental group-Orange | 5/60 |
| | | 051405 | Oriental group-Pink | 5/60 |
| | | 051406 | Oriental group-White | 5/60 |
| | | 051407 | Formolongo group-White | 5/60 |
| 051500 | Lisiathus/ Eustoma sp. | 051501 | Pink | 5/50 |
| | | 051502 | White | 5/50 |
| | | 051503 | Purple | 5/50 |
| 051600 | Paracurcuma and Eucurcuma/ Curcuma | 051601 | Paracurcuma-large flower-Red | 5/60 |
| | sp. | 051602 | Paracurcuma-large flower-Pink | 5/60 |
| | | 051603 | Paracurcuma-large flower-White | 5/60 |
| | | 051604 | Paracurcuma-small flower-Red | 5/60 |
| | | 051605 | Paracurcuma-small flower-Pink | 5/60 |
| | | 051606 | Paracurcuma-small flower-White | 5/60 |
| | | 051607 | Eucrauma-Red | 5/60 |
| | | 051608 | Eucrauma-Pink | 5/60 |
| | | 051609 | Eucrauma-White | 5/60 |
| 051700 | Peruvian Lily/ Alstromeria sp. | 051701 | Red | 5/60 |
| | | 051702 | Pink | 5/60 |
| | | 051703 | Yellow | 5/60 |
| | | 051704 | Orange | 5/60 |
| 051800 | Pineapple Flower/ Eucomis sp. | 051801 | Pink tone | 5/30 |
| | | 051802 | White tone | 5/30 |
| 051900 | Red/ Pink Ginger Alpinia sp. | 051901 | Red | 5/80 |
| | 147 | 051902 | Pink | 5/80 |

| No. | Group | Code | Category | Number Per Variety |
|--------|-----------------------------|--------|--------------------------------|-----------------------|
| 052000 | Rose/ Rosa sp. | 052001 | Hybrid Tea-Large flower-Red | 5/60 |
| | | 052002 | Hybrid Tea-Large flower-Pink | 5/60 |
| | | 052003 | Hybrid Tea-Large flower-White | 5/60 |
| | | 052004 | Hybrid Tea-Large flower-Yellow | 5/60 |
| | | 052005 | Spray type-Red | 5/40 |
| | | 052006 | Spray type-Pink | 5/40 |
| | | 052007 | Spray type-White | 5/40 |
| | | 052008 | Spray type-Yellow | 5/40 |
| | | 052009 | Miniature-Red | 5/20 |
| | | 052010 | Miniature-Pink | 5/20 |
| 052100 | Snapdragon/ Antirrhinum sp. | 052101 | Red | 5/50 |
| | | 052102 | Pink | 5/50 |
| | | 052103 | White | 5/50 |
| 052200 | Statice/ Limonium sp. | 052201 | Caspea group-Purple | 5/70 |
| | | 052202 | Sinuatum group-Purple | 5/40 |
| | | 052203 | Sinuatum group-White | 5/40 |
| | | 052204 | Sinuatum group-Yellow | 5/40 |
| 052300 | Torch Ginger/ Etlingera sp. | 052301 | Red | 5/80 |
| | | 052302 | Pink | 5/80 |

Competition Class

Class 6 Flowering: Potted Plant

(22 Groups, 96 Categories)

| No. | Group | Code | Category | Number Per Variety and Stem Length (cm) |
|--------|---------------------------------|--------|---|---|
| 060000 | African Violet/ Saintpaulia sp. | 060001 | 1 plant/4 inch pot-Single type-Purple | 5 |
| | | 060002 | 1 plant/4 inch pot-Single type-White | 5 |
| | | 060003 | 1 plant/4 inch pot-Decorative type-Purple | 5 |
| | | 060004 | 1 plant/4 inch pot-Decorative type-White | 5 |
| 060100 | Amaryllis/ Amaryllis sp. | 060101 | 1 plant/4 inch pot-Red | 3 |
| | | 060102 | 1 plant/4 inch pot-Pink | 3 |
| 060200 | Azalea/ Rhododeron sp. | 060201 | 1 plant/8 inch pot-Red | 5 |
| | | 060202 | 1 plant/8 inch pot-Pink | 5 |
| 060300 | Begonia/ Begonia sp. | 060301 | Semperflorens 1 plant/ 6 inch pot-Red | 5 |
| | | 060302 | Semperflorens 1 plant/ 6 inch pot-Pink | 5 |
| | | 060303 | Semperflorens 1 plant/ 6 inch pot-White | 5 |
| | | 060304 | Tuberous 1 plant/ 6 inch pot-Red | 5 |
| | | 060305 | Tuberous 1 plant/ 6 inch pot-Pink | 5 |
| | | 060306 | Tuberous 1 plant/ 6 inch pot-White | 5 |
| | | 060307 | Tuberous 1 plant/ 6 inch pot-Yellow | 5 |
| | | 060308 | Tuberous -Hanging basket 3 plant/ 8 inch pot-Red | 5 |
| | | 060309 | Tuberous -Hanging basket 3 plant/ 8 inch pot-Pink | 5 |
| | | 060310 | Tuberous -Hanging basket 3 plant/ 8 inch pot-White | 5 |
| | | 060311 | Tuberous –Hanging basket 3 plant/ 8 inch pot-Yellow | 5 |
| 060400 | Chrysanthemum/ Dendranthema sp. | 060401 | 1 plant/ 8 inch pot-Pink to tone | 3 |
| | | 060402 | 1 plant/ 8 inch pot-White to cream tone | 3 |
| 060500 | Chrysanthemum/ Dendranthema sp. | 060501 | 1 plant/ 4 inch pot-Spray type-Red | 5 |
| | | 060502 | 1 plant/ 4 inch pot-Spray type-Pink | 5 |
| | | 060503 | 1 plant/ 4 inch pot-Spray type-White | 5 |
| | | 060504 | 1 plant/ 4 inch pot-Spray type-Yellow | 5 |
| | | 060505 | 5 plant/ 6 inch pot-Spray type-Red | 5 |
| | | 060506 | 5 plant/ 6 inch pot-Spray type-Pink | 5 |
| | | 060507 | 5 plant/ 6 inch pot-Spray type-White | 5 |
| | | 060508 | 5 plant/ 6 inch pot-Spray type-Yellow | 5 |

| No. | Group | Code | Category | Number Per Variety |
|--------|--------------------------------|-----------|--|--------------------------|
| 060600 | Dahlia/ Dahila sp. | 060601 | 5 plant/ 6 inch pot-Red | 5 |
| | | 060602 | 5 plant/ 6 inch pot-Pink | 5 |
| | | 060603 | 5 plant/ 6 inch pot-Yellow | 5 |
| 060700 | Desert Rose/ Adenium sp. | 060701 | Arabicum-maximum plant height 30 cm. | 1 |
| | | 060702 | Arabicum-plant height over 30 cm. | 1 |
| | | 060703 | Thai Socotranum-maximum plant height 30 cm. | 1 |
| | | 060704 | Thai Socotranum-plant height over 30 cm. | 1 |
| | | 060705 | Air layering of Arabicum-no limitation on plant height (Train allowed) | 1 |
| 060800 | Euphorbia/ Euphorbia milii | 060801 | Small flower | 1 |
| | AC UMEG | 060802 | Large flower | 1 |
| | 060803 Sin | 060803 | Single stem | 1 |
| | | Bush type | 1 | |
| | | 060805 | Tap root | 1 |
| 060900 | Fuchsia/ Fuchsia sp. | | Single Type 1 plant/ 6 inch pot | |
| | | 060901 | -Red sepal with white petal | 5 |
| | | 060902 | -Pink sepal with pink petal | 5 |
| | | 060903 | -White sepal with purple petal | 5 |
| | | | Double Type 1 plant/ 6 inch pot | |
| | | 060904 | -Red sepal with white petal | 5 |
| | | 060905 | -Pink sepal with pink petal | 5 |
| | | 060906 | -White sepal with purple petal | 5 |
| | | | Hanging basket 3 plant/ 8 inch pot | |
| | | 060907 | -Red sepal with white petal | 5 |
| | | 060908 | -Pink sepal with pink petal | 5 |
| | | 060909 | -White sepal with purple petal | 5 |
| 061000 | Geranium/ Pelagonium sp. | 061001 | 1 plant/ 6 inch pot-Red | 5 |
| | | 061002 | 1 plant/ 6 inch pot-Pink | 5 |
| | | 061003 | Hanging basket 3 plant/ 8 inch pot-Red | 5 |
| | | 061004 | Hanging basket 3 plant/ 8 inch pot-Pink | 5 |
| 061100 | Gerbera/ Gerbera sp. | 061101 | 1 plant/ 6 inch pot-Red | 5 |
| | | 061102 | 1 plant/ 6 inch pot-Pink | 5 |
| | | 061103 | 1 plant/ 6 inch pot-Yellow | 5 |
| 061200 | Gloxinia/ Sinningia sp. | 061201 | 1 plant/ 6 inch pot-Red | 5 |
| | 25 15 ² | 061202 | 1 plant/ 6 inch pot-Pink | 5 |

| No. | Group | Code | Category | Number Per Variety |
|--------|------------------------------------|--------|--|--------------------------|
| 061300 | Impatience/ Impatiens sp. | 061301 | New Guinea type 1 plant/ 6 inch pot-Pink | 5 |
| | | 061302 | New Guinea type 1 plant/ 6 inch pot-White | 5 |
| | | 061303 | New Guinea type 1 plant/ 6 inch pot-Purple | 5 |
| 061400 | Kalanchoe/ Kalanchoe sp. | 061401 | 1 plant/ 6 inch pot-Pink | 5 |
| | | 061402 | 1 plant/ 6 inch pot-White | 5 |
| | | 061403 | 1 plant/ 6 inch pot-Yellow | 5 |
| 061500 | Lily/ Lilium sp. | 061501 | Oriental group 1 plant/ 7 inch pot-Pink | 5 |
| | | 061502 | Oriental group 1 plant/ 7 inch pot-Yellow | 5 |
| | | 061503 | Oriental group 1 plant/ 7 inch pot-Orange | 5 |
| 061600 | Paracurcuma and Eucurcuma/ Curcuma | 061601 | Paracurcuma 1 plant/ 8 inch pot-Red | 5 |
| | sp. | 061602 | Paracurcuma 1 plant/ 8 inch pot-Pink | 5 |
| | | 061603 | Paracurcuma 1 plant/ 8 inch pot-White | 5 |
| | | 061604 | Eucurcuma 1 plant/ 6 inch pot-Red | 5 |
| | | 061605 | Eucurcuma 1 plant/ 6 inch pot-Pink | 5 |
| | | 061606 | Eucurcuma 1 plant/ 6 inch pot-White | 5 |
| 061700 | Petunia/ Petunia sp. | 061701 | 1 plant/ 6 inch pot-Pink | 5 |
| | | 061702 | 1 plant/ 6 inch pot-White | 5 |
| | | 061703 | 1 plant/ 6 inch pot-Purple | 5 |
| | | 061704 | Hanging basket 3 plants/ 8 inch pot-Pink | 5 |
| | | 061705 | Hanging basket 3 plants/ 8 inch pot-White | 5 |
| | | 061706 | Hanging basket 3 plants/ 8 inch pot-Purple | 5 |
| 061800 | Poinsettia/Euphorbia sp. | 061801 | 1 plant/ 6 inch pot-Red | 5 |
| | | 061802 | 1 plant/ 6 inch pot-Pink | 5 |
| | | 061803 | 1 plant/ 6 inch pot-White | 5 |
| 061900 | Rose/Rosa sp. | 061901 | Tree rose 1 plant/ 12 inch pot-Red | 2 |
| | | 061902 | Tree rose 1 plant/ 12 inch pot-Pink | 2 |
| | | 061903 | Tree rose 1 plant/ 12 inch pot-White | 5 |
| | | 061904 | Miniature 1 plant/ 6 inch pot-Red | 5 |
| | | 061905 | Miniature 1 plant/ 6 inch pot-Pink | 5 |
| | | 061906 | Miniature 1 plant/ 6 inch pot-White | 5 |
| 062000 | | 062001 | 1 plant/ 6 inch pot- Pink | 5 |
| | | 062002 | 1 plant/ 6 inch pot-Purple | 5 |
| 062100 | | 062101 | 3 plant/ 6 inch pot-Red | 5 |
| | | 062102 | 3 plant/ 6 inch pot-Pink | 5 |
| | | 062103 | 3 plant/ 6 inch pot-Orange | 5 |

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Competition Class

Class 7 Flower: Garden

(1 Group, 2 Categories)

| No. | Group | Code | Category | Area |
|--------|--------|--------|--|--------------------------------------|
| 070000 | Garden | 070001 | Office interior spot garden using flowering plat not less than 30% | 3x4 meters, (width x depth) |
| | | 070002 | Front yard home spot garden using flowering plat not less than 30% | 3x4 meters, (width x depth) |

Competition Class

Class 8-Foliage plant: Potted plants

(17 Groups, 209 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|--------------|--------|--|--------------------------|
| 080000 | Anthurium | 080001 | Heart-shaped leaf | 1 |
| | | 080002 | Long leaf: Bird-nest type | 1 |
| | | 080003 | Long leaf: Bird-nest type | 1 |
| | | 080004 | Others | 1 |
| 080100 | Philodendron | 080101 | Philodendron: Clump | 1 |
| | | 080102 | Philodendron: Vine stem | 1 |
| | | 080103 | Monstera: Vine stem | 1 |
| | | 080104 | Syngonium: Vine stem | 1 |
| | | 080105 | Scindapsus: Vine stem | 1 |
| | | 080106 | Others | 1 |
| 080200 | Aglaonema | 080201 | Single stem-creeping type | 1 |
| | | 080202 | Single stem: Erect stem; leaf blade with pink/red as major color | 1 |
| | | 080203 | Single stem: Erect stem; leaf blade with pink/red spot | 1 |
| | | 080204 | Single stem: Erect stem; leaf blade with pink/red patch/blotch | 1 |
| | | 080205 | Single stem: Erect stem; leaf blade with pink/red edge | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|---------------------------|--------|--|--------------------------|
| | | 080206 | Single stem: Erect stem; leaf blade w/o pink or red color; white petiole | 1 |
| | | 080207 | Single stem: Erect stem; leaf blade w/o pink or red color; green/ brown petiole | 1 |
| | | 080208 | Single stem: Erect stem; leaf blade w/o pink or red color; lonear/lanceolate leaf type | 1 |
| | | 080209 | Single stem: Hybrid of creeping type | 1 |
| | | 080210 | Single stem: Hybrid of A cochinchinenis | 1 |
| | | 080211 | Clump: Erect stem; leaf blade with pink/red as major color | 1 |
| | | 080212 | Clump: Erect stem; leaf blade with pink/red spot | 1 |
| | | 080213 | Clump: Erect stem; leaf blade with pink/red patch/blotch | 1 |
| | | 080214 | Clump: Erect stem; leaf blade with pink/red edge | 1 |
| | | 080215 | Clump: Erect stem; leaf blade w/o pink or red color; white/pink petiole | 1 |
| | | 080216 | Clump: Erect stem; leaf blade w/o pink or red color; green/brown petiole | 1 |
| | | 080217 | Clump: Erect stem; leaf blade w/o pink or red color; linear/lanceolate leaf type | 1 |
| | | 080218 | Clump: Hybrid of creeping type | 1 |
| | | 080219 | Clump; Hybrid of A. cochinchinensis | 1 |
| | | 080220 | Others | 1 |
| 080300 | Dieffenbachia | 080301 | Single stem: Broad leaf | 1 |
| | | 080302 | Single stem: Narrow leaf | 1 |
| | | 080303 | Single stem: Others | 1 |
| | | 080304 | Clump: Broad leaf | 1 |
| | | 080305 | Clump: Narrow leaf | 1 |
| | | 080306 | Others | 1 |
| 080400 | Begonia (Foliage Begonia) | 080401 | Spreading stem: Small leaf, plant equal or less than 10 cm. width | 1 |
| | | 080402 | Spreading stem: Medium leaf, plant equal or less than 20 cm. width | 1 |
| | | 080403 | Spreading stem: Large leaf, plant more than 20 cm. width | 1 |
| | | 080404 | Upright stem | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|--------------------|--------|--|--------------------------|
| | | 080405 | Others | 1 |
| 080500 | Maranta & Calathea | 080501 | Maranta Leuconeura var. erythroneura | 1 |
| | | 080502 | Others Maranta | 1 |
| | | 080503 | Calathea, equal or less than 50 cm. height | 1 |
| | | 080504 | Calathea, more than 50 cm. height | 1 |
| | | 080505 | Others | 1 |
| 080600 | Bromeliaceae | 080601 | Guzmania | 1 |
| | | 080602 | Vriesea | 1 |
| | | 080603 | Tillandsia | 1 |
| | | 080604 | Aechmea | 1 |
| | | 080605 | Necregelia | 1 |
| | | 080606 | Cryptanthus | 1 |
| | | 080607 | Others | 1 |
| 080700 | Cactus | 080701 | Mammillaria hahniana | 1 |
| | | 080702 | Mammillaria marksiana | 1 |
| | | 080703 | Mammillaria subducta | 1 |
| | | 080704 | Mammillaria nivosa | 1 |
| | | 080705 | Mammillaria matudae | 1 |
| | | 080706 | Mammillaria, clump plant | 1 |
| | | 080707 | Ferocactus | 1 |
| | | 080708 | Gymnocalycum | 1 |
| | | 080709 | Notocactus | 1 |
| | | 080710 | Lophophora | 1 |
| | | 080711 | Echinopsis | 1 |
| | | 080712 | Cristata cactus | 1 |
| | | 080713 | Grafted cactus | 1 |
| | | 080714 | Cereus cactus | 1 |
| | | 080715 | Fancy cactus in 2 inches container | 1 |
| | | 080716 | Paradia | 1 |
| | | 080717 | Rebutia | 1 |
| | | 080718 | Mellocactus | 1 |
| | | 080719 | Coryphantha | 1 |
| | | 080720 | Copiapoa | 1 |
| | | 080721 | Ariocarpus | 1 |
| | | 080722 | Astrophytum nudum | 1 |
| | | 080723 | Astrophytum asterius | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|------------------|--------|--|--------------------------|
| | | 080724 | Astrophytum ornatum | 1 |
| | | 080725 | Astrophytum asterius cv. Superkabuto | 1 |
| | | 080726 | Astrophytum myriostigma cv. Onzuka | 1 |
| | | 080727 | Disco cactus | 1 |
| | | 080728 | Echinocereus | 1 |
| | | 080729 | Echinocereus grusonii | 1 |
| | | 080730 | Epithelantha | 1 |
| | | 080731 | Uebelmannia | 1 |
| | | 080732 | Stenocactus | 1 |
| | | 080733 | Weingartia | 1 |
| | | 080734 | Others | 1 |
| 080800 | Succulent plants | 080801 | Agave | 1 |
| | | 080802 | Aloe | 1 |
| | | 080803 | Euphorbia lectea: Pot size equal or less than 12 inches | 1 |
| | | 080804 | Euphorbia lectea: Pot size greater than 12 inches | 1 |
| | | 080805 | Other Euphorbia | 1 |
| | | 080806 | Echevaria | 1 |
| | | 080807 | Gasteria | 1 |
| | | 080808 | Harwothia sp. | 1 |
| | | 080809 | Sansevieria | 1 |
| | | 080810 | Pachypodium: Regular | 1 |
| | | 080811 | Pachypodium: Bonzi | 1 |
| | | 080812 | Pachypodium: Caudex | 1 |
| | | 080813 | Others | 1 |
| 080900 | Caladium | 080901 | Single plant: Height not more than 3 inches (except 080906, 080907, 080908) | 1 |
| | | 080902 | Single plant: Height not more than 5 inches (except 080906, 080907, 080908) | 1 |
| | | 080903 | Single plant: Height not more than 8 inches (except 080906, 080907, 080908) | 1 |
| | | 080904 | Single plant: Height more than 8 inches; Thai-shaped leaf | 1 |
| | | 080905 | Single plant: Height equal or more than 8 inches; lanceolate leaf (lance leaf) | 1 |
| | | 080906 | Single plant: Round-shaped leaf | 1 |

| No. | Group | Code | Category | Number Per Variety |
|--------|-------------------|--------|--|--------------------------|
| | | 080907 | Single plant: leaf with broad petiole | 1 |
| | | 080908 | Clump plant: Strap leaf (bamboo leaf) | 1 |
| | | 080909 | Clump plant: Pot size equal or less than 12 inches | 1 |
| | | 080910 | Clump: Pot size more than 12 inches | 1 |
| | | 080911 | Caladium: Yello color Not limited high | 1 |
| | | 080912 | Others | 1 |
| 081000 | Codiaeum (Croton) | 081001 | Single stem: Large round-shaped leaf | 1 |
| | An 19-74 | 081002 | Single stem: Medium round-shaped leaf | 1 |
| | | 081003 | Single stem: Large leaf | 1 |
| | | 081004 | Single stem: Lobe-shaped leaf | 1 |
| | | 081005 | Single stem: Long leaf | 1 |
| | | 081006 | Single stem: Long leaf, broad at base | 1 |
| | | 081007 | Branched stem: Round-shaped leaf | 1 |
| | | 081008 | Branched stem: Large leaf | 1 |
| | | 081009 | Branched stem: Lobe-shaped leaf | 1 |
| | | 081010 | Branched stem: Long leaf | 1 |
| | | 081011 | Branched stem: Appendage leaf | 1 |
| | | 081012 | Branched stem: Long leaf, broad at base | 1 |
| | | 081013 | Others | 1 |
| 081100 | Dracaena | 081101 | Dracaena surcurosa | 1 |
| | | 081102 | Dracaena sanderiana | 1 |
| | | 081103 | Dracaena masangeana and related species | 1 |
| | | 081104 | Other Dracaena | 1 |
| 081200 | Cordyline | 081201 | Long leaf | 1 |
| | | 081202 | Broad leaf | 1 |
| | | 081203 | Intermediate leaf | 1 |
| | | 081204 | Narrow and Tapering leaf | 1 |
| | | 081205 | Miniature | 1 |
| | | 081206 | Others | 1 |
| 081300 | Fern | 081301 | Asplenium | 1 |
| | | 081302 | Lycopodium carinatum | 1 |
| | | 081303 | Lycopodium squarrosum | 1 |
| | | 081304 | Lycopodium phlegmaria | 1 |
| | | 081305 | Lycopodium nummlarifolium | 1 |
| | | 081306 | Platycerium: Single bulb species P. wallichi, P. | 1 |
| | | | holtumii and P. ridleyi | |

| No. | Group | Code | Category | Number Per Variety |
|--------|---------------------------------------|--------|--|--------------------------|
| | | 081307 | Other Platycerium: Single bulb species | 1 |
| | | 081308 | Platycerium: Clump plant plant species P. coronarium | 1 |
| | | 081309 | Other Platycerium: Clump plant species | 1 |
| | | 081310 | Adiantum | 1 |
| | | 081311 | Pyrrosia | 1 |
| | | 081312 | Polypodium: Simple frond | 1 |
| | | 081313 | Polypodium: Compound frond | 1 |
| | | 081314 | Davallia | 1 |
| | | 081315 | Others | 1 |
| 081400 | Miniature and Bonsai (Driftwood) | 081401 | Driftwood: Height from pot edge not more than 25 cm. | 1 |
| | | 081402 | Driftwood: Height from pot edge not more than 35 cm. | 1 |
| | | 081403 | Driftwood: Height from pot edge not more than 50 cm. | 1 |
| | | 081404 | Driftwood: Height from pot edge not more than 65 cm. | 1 |
| | | 081405 | Driftwood: Height from pot edge not more than 120 cm. | 1 |
| | | 081406 | Driftwood: Height from pot edge more than 120 cm. | 1 |
| | Miniature and Bonsai (Formal Upright) | 081407 | Formal Upright: Height from pot edge not more than 7 cm. (Ma-Me) | 1 |
| | | 081408 | Formal Upright: Height from pot edge not more than 15 cm. | 1 |
| | | 081409 | Formal Upright: Height from pot edge not more than 20 cm. | 1 |
| | | 081410 | Formal Upright: Height from pot edge not more than 30 cm. | 1 |
| | | 081411 | Formal Upright: Height from pot edge not more than 45 cm. | 1 |
| | | 081412 | Formal Upright: Height from pot edge not more than 60 cm. | 1 |
| | Miniature and Bonsai (Stump plants) | 081413 | Stump plants: Height from pot edge more than 60 cm. | 1 |
| | | 081414 | Stump plants: Height from pot edge not more than 20 cm. | 1 |
| | | 081415 | Stump plants: Height from pot edge not more than 30 cm. | 1 |
| | | 081416 | Stump plants: Height from pot edge not more than 45 cm. | 1 |
| | | 081417 | Stump plants: Height from pot edge not more than 60 cm. | 1 |

| No. | Group | Code 081418 | Category Stump plants: Height from pot edge not more than | Numbe Per Variety |
|-----|-------------------------------------|-------------|--|-------------------------|
| | | 001410 | 120 cm. | 5 4 Se |
| | | 081419 | Stump plants: Height from pot edge more than 120 cm. | 1 |
| | Miniature and Bonsai (Style Plants) | 081420 | Small Cascade: Container less than 15 cm. diameter | 1 |
| | | 081421 | Medium Cascade: Container less than 15 cm. diameter | 1 |
| | | 081422 | Large Cascade: Container equal or more than 30 cm. diameter | 1 |
| | | 081423 | Slanting Plants | 1 |
| | | 081424 | Root-cover-rock | 1 |
| | | 081425 | Root-penetrate-rock | 1 |
| | | 081426 | Cling-to-rock | 1 |
| | | 081427 | Multi trunk (minimum 4 stems) | 1 |
| | | 081428 | Small groups planting, less than 65 cm. long container | 1 |
| | | 081429 | Large group planting, more than 65 cm. long container | 1 |
| | | 081430 | Small straight-line root style, less than 65 cm long container | 1 |
| | | 081431 | Small straight-line root style, more than 65 cm long container | 1 |
| | | 081432 | Twin trunks | 1 |
| | | 081433 | Triple trunks | 1 |
| | | 081434 | Literati style | 1 |
| | | 081435 | Wind swept style | 1 |
| | | 081436 | Expose-root-style | 1 |
| | | 081437 | Semi cascade | 1 |
| | | 081438 | Weeping style | 1 |
| | | 081439 | Rati style | 1 |
| | | 081440 | Twist trunk | 1 |
| | | 081441 | Coiled style | 1 |
| | | 081442 | Broom style | 1 |
| | | 081443 | Saikei: Less than 65 cm. long container | 1 |
| | | 081444 | Saikei: More than 65 cm. long container | 1 |
| | | 081445 | Art type | 1 |

| No. | Group | Code | Category | Number Per Variety |
|-------|-------|--------|-------------------------|--------------------------|
| | | 081446 | Others | 1 |
| | | 081502 | Aroid: Erect | 1 |
| | | 081503 | Palm/ Cyasd | 1 |
| | | 081504 | Dracaena/ Cordyline | 1 |
| | | 081505 | Cactus | 1 |
| | | 081506 | Succulent: Haworthia | 1 |
| | | 081507 | Succulent: Echevaria | 1 |
| | | 081508 | Succulent: Agave/ Yucca | 1 |
| | | 081509 | Tree | 1 |
| | | 081510 | Shrub | 1 |
| | | 081511 | Fern | 1 |
| | | 081512 | Other | 1 |
| 81600 | Other | 081601 | Other | 1 |

Competition Class

Class 9 Foliage plant: Garden

(1 Group, 3 Categories)

| No. | Group | Code | Category | Area |
|--------|--------|--------|-----------------------|-----------|
| 090000 | Garden | 090001 | Relax corner garden | 4x5 sq.m. |
| | | 090002 | Garden by imagination | 4x5 sq.m. |
| | | 090003 | Vertical garden | 4x5 sq.m. |

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Competition Class

Class 10 Floral Arrangment: Amateur

(8 Groups, 22 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|----------------------------|--------|-------------------------------|--------------------|
| 100000 | Boiquet | 100001 | Orchid bouquet | 1 |
| | | 100002 | Valentine bouquet | 1 |
| | | 100003 | Hand tied bouquet | 1 |
| | | 100004 | Bridal bouquet | 1 |
| 100100 | Special flower arrangement | 100101 | Orchid arrangement | 1 |
| | | 100102 | Lotus arrangement | 1 |
| | | 100103 | Artificial flower arrangement | 1 |
| 100200 | Basic Arrangement | 100201 | Tall arrangement | 1 |
| | | 100202 | Low arrangement | 1 |
| 100300 | High design arrangement | 100301 | Hotel lobby arrangement | 1 |
| | | 100302 | Cocktail table arrangement | 1 |
| | | 100303 | Flower stand arrangement | 1 |
| 100400 | Commercial Arrangement | 100401 | Wreath arrangement | 1 |
| | | 100402 | Vase arrangement | 1 |
| | | 100403 | Basket arrangement | 1 |
| 100500 | Botanical Garden | 100501 | Plants arrangement | 1 |
| | | 100502 | Vegetative arrangement | 1 |
| 100600 | Flower Jewelry | 100601 | Flower for Hair | 1 |
| | | 100602 | Body flower | 1 |
| | | 100603 | Bridal floral jewelry | 1 |
| 100700 | Table Arrangement | 100701 | Round table centerpiece | 1 |
| | | 100702 | Oblong table arrangement | 1 |

Competition Class

Class 11 Fruit Vegetable Mushroom Tea and Coffee: Amateur (8 Groups, 22 Categories)

| No. | Group | Code | Category | Number Per Variety |
|-----------------------|--------|-------------------|------------------------------|--------------------|
| 110000 Mushroom Spawn | 110001 | Shiitake Mushroom | 12 | |
| | | 110002 | Poplar Fieldcap (Ya Na Ongi) | 12 |
| | 110003 | Ling Zhi | 12 | |
| | | 110004 | Pleurotus sp. From Bhutan | 12 |
| | | 110005 | Pleurotus sp. From Hungary | 12 |
| | | 110006 | Ear Muchroom | 12 |

Competition Class

Class 12 Fruit Vegetable Mushroom Tea and Coffee: Fruits

(23 Groups, 36 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|-----------------------|--------|--------------------------|-----------------------|
| 120000 | Mango | 120001 | Nam Dokmai Srithong | 5 |
| | | 120002 | Khiao Sawoei | 5 |
| | | 120003 | Nam Dok Mai # 4 | 5 |
| 120100 | Durian | 120101 | Mon Thong | 2 |
| 120200 | Pineapple | 120102 | Pattawia | 3 |
| | | 120103 | Trat Si Thong | 3 |
| 120300 | Banana | 120301 | Kluai Hom | 1 |
| | | 120302 | Kluai Kha | 1 |
| | | 120303 | Kluai Namwa | 1 |
| 120400 | Young coconut | 120401 | Nam Hom | 1 |
| 120500 | Guava | 120501 | Pan Si Thong | 5 |
| | | 120502 | Kimju | 5 |
| 120600 | Grape | 120601 | Green Color | 3 |
| | | 120602 | Red Color | 3 |
| 120700 | Jackfruit | 120701 | Yellow flesh | 5 |
| | | 120702 | Yellow wish Orange flesh | 5 |
| 120800 | Pummel | 120801 | Redish-pink flesh | 3 |
| | | 120802 | White-yellow flesh | 3 |
| 120900 | Papaya | 120901 | Kaeg Dahm | 2 |
| | | 120902 | Plak mai lai | 2 |
| 121000 | Java apple | 121001 | Thapthim Chan | 10 |
| 121100 | Tangenne | 121101 | Som Khiao Wan | 10 |
| 121200 | Sala | 121201 | Sala | 1 |
| 121300 | Strawberry | 121301 | Strawberry | 1 |
| 121400 | Marian plum | 121401 | Ma Bprahng | 15 |
| 121500 | Marian plum | 121501 | Ma Yong Chid | 15 |
| 121600 | Sweet tamarind | 121601 | Sri Thong | 1 |
| | | 121602 | Sri Chomphu | 1 |
| | | 121603 | Prakai Thong | 1 |
| 121700 | Longan | 121701 | Dor | 1 |
| 121800 | Star fruit (Big size) | 121801 | Star fruit | 5 |
| 121900 | Sapodilla | 121901 | Kra-suai | 5 |
| | | 121902 | Ma-Kok | 5 |

The International Horticultural Exposition Royal Flora Ratchaphruek 2011

| No. | Group | Code | Category | Number Per Variety |
|--------|-----------------|--------|----------------|-----------------------|
| 122000 | Jujube | 122001 | Phutsa (Large) | 20 |
| 122100 | Sweet orange | 122101 | Som-kliang | 5 |
| 122200 | Acidless Orange | 122201 | Som-tra | 5 |

Competition Class

Class 13 Fruit Vegetable Mushroom Tea and Coffee: Potted Fruit (1 Group, 5 Categories)

| No. | Group | Code | Category | Number Per Variety | |
|--------|--------------|--------|-------------|--------------------------|---|
| 130000 | Potted Fruit | 130001 | Strawberry | 9 | |
| | | | 130002 | Cherry | 1 |
| | | 130003 | Orange | 1 | |
| | 130004 | Lime | 1 | | |
| | | 130005 | Other fruit | 1 | |

Competition Class

Class 14 Fruit Vegetable Mushroom Tea and Coffee: Garden (1 Group, 2 Categories)

| No. | Group | Code | Category | Area |
|-----------------|-------------------------------|--------|---|-----------|
| 140000 Garden d | Garden design in a house area | 140001 | Vegetable Garden design in a house area | 3x4 sq.m. |
| | | 140002 | Fruit Garden design in a house area | 3x4 sq.m. |

Competition Class

Class 15 Fruit Vegetable Mushroom Tea and Coffee: Arrange fruit decoration party (1 Group, 2 Categories)

| No. | Group | Code | Category | Area |
|--------|--------------------------------|--------|--------------------------------|-----------|
| 150000 | Arrange fruit decoration party | 150001 | Arrange fruit decoration party | 2x3 sq.m. |

Competition Class

Class 16 Fruit Vegetable Mushroom Tea and Coffee: Tea Coffee

(2 Groups, 7 Categories)

| No. | Group | Code | Category | Number Per Variety |
|--------|--------|--------|---------------------------------|--------------------------|
| 160000 | Tea | 160001 | Green Tea Form Assam Tea | 1 Kg. |
| | | 160002 | Green Tea Form China Tea | 1 Kg. |
| | | 160003 | Oolong Tea Form China Tea No.12 | 1 Kg. |
| | | 160004 | Oolong Tea Form China Tea No.17 | 1 Kg. |
| | | 160005 | Back Tea From Assam Tea | 1 Kg. |
| 160100 | Coffee | 160101 | Arabica | 1 Kg. |

Competition Class

Class 17 International Indoor Garden Exhibition

(1 Group, 1 Category)

| No. | Group | Code | Category |
|--------|--|--------|---|
| 170000 | International Indoor Garden Exhibition | 171000 | Indoor landscaped garden of participating countries |

Competition Class

Class 18 International Outdoor Garden

(1 Group, 1 Category)

| No. | Group | Code | Category |
|--------|------------------------------|--------|--|
| 180000 | International Outdoor Garden | 181000 | Outdoor landscaped garden of participating countries |

Criteria The International Horticutural Exposition: Royal Flora Ratchaphruek 2011 International Competitions Judging Criteria

Class 1 Orchid: Orchid individual plant

- · Quality of flower
- · Flower form
- · Flower color
- · Quality of petal, sepal and lip
- Flower
- Beauty and Harmony of the whole plant's appearance in flower, stems, foliages and others.
- · Quality of foliages and others
- · Conditions of display of the cultivar's characteristics
- Conditions of management for cultivations (existing or not damaged by disease, insect or weeds etc.)
- Distinction

Class 2 Orchid: Container Display

- · Arrangement and decorative materials
- · Quality of foliages and others
- Species
- Conditions of management for cultivations (existing or not damaged by disease, insect or weeds etc.)
- Uniformity of exhibition plants
- Distinction

Class 3 Orchid: Cut flower

- Beauty and harmony of the whole plant's appearance in flower, stems, foliages and others.
- · Quality of foliages and others
- · Conditions of display of the cultivar's characteristics
- Conditions of management for cultivations (existing or not damaged by disease, insect or weeds etc.)
- Uniformity
- Distinction

Class 4 Orchid: New Varieties of Individual Plant

- The potential of exhibition products to be commercial pot plant
- Distinction
- · Quality of flower
- · Quality of foliages and others
- Beauty and harmony of the whole plant's appearance in flower, stems, foliages and others.
- Conditions of management for cultivations (existing or not damaged by diseases, insects or weeds etc.)

Orchid: New Varieties of cut flower

- · The potential of exhibition products to be commercial cut plant
- Distinction
- Uniformity
- Quality of flower and stems
- Conditions of management for cultivations (existing or not damaged by diseases, insects or weeds etc.)

Class 5 Flower: Cut Flower

Standard Type

- · Uniformity of the entries
- · Right flower opening stage
- Flower size
- · Perfection of petals
- · Color brightness
- · Perfection of leaves
- Perfection of stem

Class 8 Foliage plant: Potted Plant

- · Beauty and harmony of the whole plant's appearance in flower, stems, folia
- · Quality of foliages and others
- · Species
- Conditions of management for cultivations (existing or not damaged by diseases, insects or weeds etc.)
- Uniformity
- Distinction

Class 9 Foliage plant: Garden

- · Character and design of garden
- · Quality of exhibited products
- Creativity
- · Workmanship of construction
- · Arrangement-proper spacing of plants
- · Garden additions

Class 10 Floral Arrangement: Amateur

- Creativity
- · Suitability for the occasion
- · Use of materials and color
- · Composition of Design
- · Design balance
- Grouping of materials
- · Lines within the design
- · Focal area construction
- · Scale and proportion

Class 11 Vegetable, Mushroom and Fruits: Mushroom

- · Correct species
- Size
- Color
- Conditions of management for cultivations (existing or not damaged by disease, insect or weeds etc.)
- Maturity
- · Free of chemical residues

Class 12 Vegetable, Mushroom and Fruits: Fruits

Exterior characteristics including:

- · Characteristics corresponding to species
- Size
- · Consistency

Perfectness

Interior characteristics including:

- · Flesh characteristics-taste
- · Flesh color
- Seed
- Perfectness

Class 13 Vegetable, Mushroom and Fruits: Potted plant

- Shape
- · Characteristics corresponding to species
- Perfectness
- Having fruit

Class 14 Vegetable, Mushroom and Fruits: Garden

Vegetable Garden

- · Characteristics and design
- · Quality of the exhibit
- · Creativity
- · Neatness of the decoration
- · Placement of garden and other elements
- · Possibility to apply to real gardening and maintenance of the garden
- · Utilization of the garden
- Other elements

Fruits Garden

- · Characteristics and design
- · Quality of the exhibit
- · Creativity
- · Neatness of the decoration
- · Placement of garden and other elements
- · Possibility to apply to real gardening and maintenance of the garden
- · Utilization of the garden
- · Other elements

Class 15 Vegetable, Mushroom and Fruits: Fruit decoration for a party

- · Characteristics and design
- · Quality of the exhibit
- Creativity
- · Neatness of the decoration
- · Placement of garden and other elements
- Other elements

Class 16 Vegetable, Mushroom and Fruits: Tea and Coffee

Tea

- · Characteristic of tea leaves.
- · Taste quality by tasting.
- · Quality of aroma.
- · Characteristic of waste tea leaves.

Coffee

- · Moisture percentage
- · Size and completion of coffee beans
- Defects such as black beans, molded beans, broken beans, flawed beans, dried coffee cherries, and other contaminants that are not beans.
- · Quality of aroma
- · Taste quality by tasting.

Class 17 and 18: International Indoor Garden Exhibition and International Outdoor Garden

- · Design and arrangement of the entry (presentation);
- · National aspects (recognizability);
- · Range/quality of the products exhibited;
- · Communicative/education vale of the presentation.

Criteria for The International Horticultural Exposition: Royal Flora Ratchaphruek 2011 International Competitions

Special Regulations for the Competition Judging and Awards

Article 1: General

The Interpretation of these Regulations for Competition, Judging and Awards shall be made in conformity with the provisions of Articles 98-18 of the Exhibitions of The International Horticultural Exposition Ratchaphruek 2011, the BIE Protocol Convention and the AIPH Regulations related hereto.

Where there is any matter which is not governed by the Exhibition Regulation, the BIE Protocol Convention and the AIPH Regulations, such matter shall be decided by the Organizer. The decision by the Organizer shall be final.

Article 2: Purpose

These Special Regulations shall provide for necessary matters concerning competition, judging and awards in The International Horticutural Exposition: Royal Flora Ratchaphruek 2011, there by contributing to the smooth operation of the Exposition.

Article 3: Participation in Competitions

- 1. All Exhibitions shall have the opportunity to participate in competitions and be eligible for awards.
- 2. Application to participate in the competitions must be made in the application form and submitted within the period prescribed by the organizer.
 - 3. Exhibits must be the property of the exhibitor or be subject of his control.
- 4. The entry of new species indicated in "Competition Classes" requires that an application must be the owner or developer of the species. Or an application must be an authorized representative of the owner/developer of the species, thus the proof of authorization is required. Any new species entered the competition must be from new breeding or mutation, and must not be commercialized before. The judging committee reserves the absolute right to consider whether the entries are new species or not.

Article 4: Juries

1.Class Jury

Class Jury has a membership of not less than 3 members will be recognized horticulturalists expert in the classes which they judge. The Class Jury shall be responsible for judging for awarding Gold, Silver, and Bronze prizes.

2. Group Jury

The Group Jury is responsible for awarding Group Prizes (Best Prizes) and ix composed of the Heads of the individual Class Juries.

3. Grand Jury

Grand Jury consists of 9 members. 5 of them are from foreign countries and the other 4 members are Thai. There will be 2 rounds for judging at this stage. The first round will be held before the opening of the Exposition and the second round will be held before the closing of the Exposition.

Article 5: Judging Principle

- 1. The judges shall be summoned for orientation at a time prescribed by the Organizer. At this time, they will be given the necessary working documentation.
- 2. Before starting their work, the judges of each individual Jury-which shall be made up of at least three members, shall appoint a Head from among themselves.
- 3. Each Jury shall have at its disposal an Organizer's representative, who shall act as a secretary and guide. He/she shall indicate the displays to be judged and shall collect the marks given by the Judges.
 - 4. In expressing their judgments. The judges shall have to conform to the following general principles:
 - 1) Evaluate the quality of the plants exhibited;
 - 2) Assign the prizes only if the quality of the plants in the contest is higher than their standard commercial quality;
 - 3) Ensure that the plants in the contest are named correctly.

With regard to aesthetical contest, the Judges shall also take into account:

- 1) The Overall presentation of the plants in the contest;
- 2) The care put in arranging the exhibition area in which the plants are displayed;
- 3) The adherence to the theme of the contest.
- 5. The marks given by each Judge-which shall be recorded by the Secretary of the Jury-shall be expressed by scores ranging from 0 to 10, so that each Jury is able to achieve a precise ranking for the assignment of the available prizes.
- 6. In the event that 2 or more lots obtain the same score (ex-aequo), the Jury shall be entitled to reconsider its marks in order to eliminate the situation of parity
- 7. In case of contests involving "plants or flowers not previously mentioned in the same section" in which the plants entered may belong to different genera, species, varieties or cultivars, ex-aequo scores cannot be assigned to plants belonging to the same genus, species, variety or cultivar.
- 8. In same cases, technical or space considerations might have forced the Technical Committee to assign a smaller exhibition area than requested. The secretary shall point this out the members of the Jury whenever this has happened. In such case, the Technical Committee shall have the authority to allow in the contest a lower number of plants than required in the Regulations.

- 9. The Jury shall assign the prizes available for each contest in its sole unquestionable discretion and, in the event it believes that the lots under review are not worthy of any prize, it shall have the authority not to assign any or some of the prizes available. Moreover, if it deems it appropriate, eash Jury shall also have the authority to propose to the Jury of Honor that special prizes be assigned or mentions be made.
- 10. At the end of the Jury's work, the President and the Secretary shall sign jointly the marketing sheet, whose data shall than be entered
 - 11. The Jury's judgment is final.

Article 6: Prize system & awards

6.1 Prize system for Permanent Entries

Permanent Entries consist of international gardens and permanent indoor exhibition, entered by the relevant international exhibitors. The following aspects will be assessed:

- Design and arrangement of the entry (presentation);
- Nation aspects (recognizability);
- Range/quality of the products exhibited;
- Communicative/educational value of the presentation.

All entrants receive a certificate stating the number of points received. Three prizes can be won: a Supreme Accolade, a Premier Accolade and a 1st Prize.

Table 1: Information for Permanent Entries

| Entrant | Period | Location | Entry | Competition | Assessment | Prizes |
|-----------------------------|--------------------|-------------------|------------------------|--------------|---------------|--------------------------------|
| International Exhibitors | 99 days 20 days | Outdoor Indoor | Garden Presentation | Presentation | Jury of Honor | 1.Supreme Accolade |
| | | | | | | 2.Premier Accolade 3.1st Prize |

Table 2: Prizes Awarded for Permanent Entries

| Category | | Gold (9.00 | to 10.00 points | D 0.00 | Bronze 7.00 | Less than | |
|-----------------------------|---------------------|-------------------------|----------------------------------|--|------------------------|------------------------|-------------|
| | Highest score | 2 nd highest | 3 rd highest score | Other | to 8.99 Points | to 7.99 Points | 7.00 Points |
| International Exhibition | Supreme Accolade | Premier Accolade | 1 st Prize | Certificate/ Golden Prize Ribbon | Silver Prize Ribbon | Bronze Prize Ribbon | Certificate |

6.2 Prize System for Temporary Entries

Temporary entrant presentation

- A Collective, organization or company from Thailand of elsewhere exhibiting a temporary presentation.
 - Temporary Entrant product
- A Collective, organization or company from Thailand of elsewhere exhibiting a temporary product.
- A competition consists of a minimum of 5 entries from at least 3 entrants. If this is not the case, the products come under the "Other" category.
 - A competitor entering a product is assessed on quality and cultivation achievement.

All entrants receive a certificate stating the number of points received. If there are more than 5 entrants, three prizes can be won: a 1st, 2nd and 3rd prize. The temporary entrants of a product which receives a total of 9.0 points or higher are awarded a Gold Class Certificate.

Table 3: Information for Temporary Entries

| Entrant | Period | Location | Entry | Competition | Assessment | Prizes |
|---|-----------|----------|-------------|-----------------------------|---------------------|---|
| Collective, organization or company from Thailand or elsewhere Individual Entrant | Temporary | Indoor | Competition | Garden Presentation Product | Class Jury (1 time) | 1 st ,2 nd ,3 rd prizes for each competition organized |

Table 4: Prizes Awarded to Temporary Entries

| Category | | Gold (9.00 | to 10.00 points | B 8 00 | B 7.00 | T | |
|----------------------|-----------------------|-------------------------|-------------------------|--|------------------------|-------------------------------|-----------------------|
| Number of Entries | Highest score | 2 nd highest | 3 rd highest | Other | to 8.99 Points | Bronze 7.00 to 7.99 Points | Less than 7.00 Points |
| 5 or more than 5 | 1 st Prize | 2 nd Prize | 3 rd Prize | Certificate/ Golden Prize Ribbon | Silver Prize Ribbon | Bronze Prize Ribbon | (=) |

Article 7: Dispute Settlement

Any dispute arising during or as a result of the judging process regarding the international gardens and permanent indoor exhibition will be resolved by the President of the Jury of Honor.

Criteria for the International Horticultural Exposition: Royal Flora Ratchaphruek 2011

International Competitions

Table of Prizes and Monetary Awards

| Prize | Class | No. of Competitions | Awards | Maximum No. of Prizes per Competition | Monetary Awards (Thai Baht) |
|----------------|-------|---------------------|----------------------|---------------------------------------|-----------------------------------|
| EST D SPRING | 1 | 14 | Trophy & Certificate | 1 | 5,000 |
| Best of jobs | 3 | 3 | Trophy & Certificate | 1 | 3,000 |
| Best of groups | 1 | 14 | Trophy & Certificate | 11 | 3,000 |
| | 2 | 3 | Trophy & Certificate | 1 | 5,000 |
| | 3 | 3 | Trophy & Certificate | 3 | 1,000 |
| | 5 | 1 | Trophy & Certificate | 24 | 4,000 |
| | 6 | 1 | Trophy & Certificate | 22 | 4,000 |
| | 8 | 1 | Trophy & Certificate | 17 | 4,000 |
| | 9 | 1 | Trophy & Certificate | 1 | 30,000 |
| First | 1 | 14 | Certificate | 110 | 800 |
| | 2 | 3 | Certificate | 5 | 3,000 |
| | 3 | 3 | Certificate | 19 | 800 |
| | 4 | 3 | Certificate | 8 | 4,000 |
| | 5 | 1 | Certificate | 110 | 2,000 |
| | 6 | 1 | Certificate | 96 | 2,000 |
| | 7 | 1 | Certificate | 2 | 20,000 |
| | 8 | 1 | Certificate | 209 | 2,000 |
| | 9 | 1 | Certificate | 3 | 20,000 |
| | 10 | 1 | Trophy & Certificate | 22 | 10,000-15,000 |
| | 11 | 1 | Trophy & Certificate | 6 | 2,000 |
| | 12 | 1 | Trophy & Certificate | 36 | 2,000 |
| | 13 | 1 | Trophy & Certificate | 5 | 2,000 |
| | 14 | 1 | Trophy & Certificate | 2 | 20,000 |
| | 15 | 1 | Trophy & Certificate | 1 | 15,000 |
| | 16 | 1 | Trophy & Certificate | 6 | 3,000 |
| | 1 | 14 | Certificate | 110 | 500 |
| | 2 | 3 | Certificate | 5 | 2,000 |
| | 3 | 3 | Certificate | 19 | 500 |
| | 4 | 3 | Certificate | 8 | 3,000 |
| | 5 | 1 | Certificate | 110 | 1,500 |
| | 6 | 1 | Certificate | 96 | 1,500 |

The International Horticultural Exposition Royal Flora Ratchaphruek 2011

| Prize | Class | No. of Competitions | Awards | Maximum No. of Prizes per Competition | Monetary Awards (Thai Baht) |
|-------------|-------|---------------------|----------------------|---------------------------------------|-----------------------------------|
| | 7 | 1 | Certificate | 2 | 15,000 |
| | 8 | 1 | Certificate | 209 | 1,500 |
| | 9 | 1 | Certificate | 3 | 15,000 |
| | 10 | 1 | Trophy & Certificate | 22 | 5,000-10,000 |
| | 11 | 1 | Certificate | 6 | 1,500 |
| | 12 | 1 | Certificate | 36 | 1,500 |
| | 13 | 1 | Certificate | 5 | 1,500 |
| | 14 | 1 | Certificate | 2 | 15,000 |
| | 15 | 1 | Certificate | 1 | 10,000 |
| | 16 | 1 | Certificate | 6 | 2,000 |
| Third | 1 | 14 | Certificate | 110 | 300 |
| | 2 | 3 | Certificate | 5 | 1,000 |
| | 3 | 3 | Certificate | 19 | 300 |
| | 4 | 3 | Certificate | 8 | 2,000 |
| | 5 | 1 | Certificate | 110 | 1,000 |
| | 6 | 1 | Certificate | 96 | 1,000 |
| | 7 | 1 | Certificate | 2 | 10,000 |
| | 8 | 1 | Certificate | 209 | 1,000 |
| | 9 | 1 | Certificate | 3 | 10,000 |
| | 10 | 1 | Trophy & Certificate | 22 | 3,000-7,000 |
| | 11 | 1 | Certificate | 6 | 1,000 |
| | 12 | 1 | Certificate | 36 | 1,000 |
| | 13 | 1 | Certificate | 5 | 1,000 |
| | 14 | 1 | Certificate | 2 | 10,000 |
| | 15 | 1 | Certificate | 1 | 8,000 |
| | 16 | 1 | Certificate | 6 | 1,000 |
| Compliments | 9 | 1 | Certificate | 12 | 5,000 |
| | 11 | 1 | Certificate | 12 | 500 |
| | 12 | 1 | Certificate | 72 | 500 |
| | 13 | 1 | Certificate | 10 | 500 |
| | 14 | 1 | Certificate | 4 | 5,000 |
| | 15 | 1 | Certificate | 2 | 4,000 |
| | 16 | 1 | Certificate | 2 | 500 |
| Popular | 4 | 3 | Certificate | 2 | 4,000 |

The International Horticultural Exposition Royal Flora Ratchaphruek 2011

Contact Information

Class 1, 2, 3 and 4

(Orchid: Individual Plant, Container display, Cut Flower and New Varieties)

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(Floral Arrangement)

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ine international Horticultural Exposition Royal Flora Ratchaphruek 2011

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Class 16

(Fruits Vegetable Mushroom Tea and Coffee: Tea Coffee)

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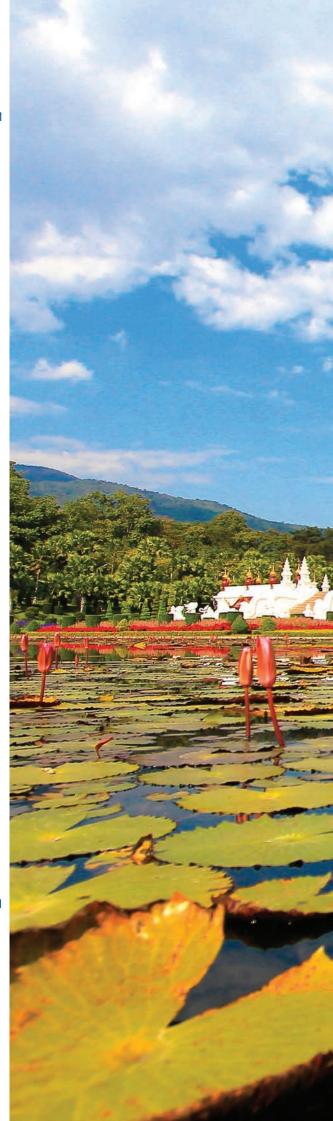
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