

Registration

Registration will be limited to a maximum of 200 participants from different stakeholders. Following is the registration fees.

Farmers	₹ 2,000/-
Others (corporates, representatives from private sector, officers of developmental depts., scientists - researchers and professors from SAUs/ICAR/etc., representatives from NGO's and the like organizations)	₹ 3,000/-

Dates to remember

- ♦ Expression of interest through e-mail/phone: **Before 14.02.2014**
- ♦ Last date for registration: **20.02.2014**
- ♦ Last date for submission of abstract for poster presentation. **28.02.2014**

Registration fee may be sent in the form of Bank Draft drawn in favour of Secretary, Society for Promotion of Horticulture, Bengaluru along with duly filled registration form by post to Dr. B. Balakrishna, Organizing Secretary, Indian Institute of Horticultural Research, Hessaraghatta Lake Post, Bengaluru – 560 089 or in person before the last date. Bank transfer is also entertained. Bank details are as follows.

1. Name & Address of the account holder:
**Society for Promotion of Horticulture, IIHR,
Hesaraghatta Lake PO, Bengaluru-560 089**
2. Name of the branch:
IIHR, Hessaraghatta Lake, Bengaluru-560 089
3. Account Number: **1805606747**
4. IFSC code: **CBIN0283973**
5. Phone number of the Bank: **080-28446255**

In case of bank transfer, please fill the registration form along with bank transfer code number and send it through post or by mail to **Dr. B. Balakrishna, Organizing Secretary**. Please confirm your participation through e-mail or by phone to **+91 94489 28197, +91 80 - 2844 6010, balkib@iihr.ernet.in** or **basc_11@yahoo.com** latest by 14.02.2014.

Exhibition

A small exhibition with 10 to 12 stalls will be arranged during the meet. The technologies, products and other exhibition materials related to protected cultivation of vegetable and ornamental crops can be displayed in the stalls. Only one stall will be given to each firm. Interested groups may register for their stalls by 14.02.2014. Floor charges for the exhibition stall (Hi-tech, 10 ft. X 10 ft.) is Rs.13,000 per stall with one complementary registration. The exhibition is only for the benefit of participants of the business meet. Hence the presence of representative in the stall may not be required all through the day.

Poster presentation

Keeping in view the vast experience of researchers and others involved in various activities related to protected cultivation and the urge to share their expertise for common benefit of all the participants of the meet, display of posters various themes/ issues as given under is encouraged.

- 1) Soilless cultivation under protected environment
- 2) Biological management of insect pests, diseases and nematodes
- 3) Grafting in vegetable crops
- 4) Cocopeat treatment for seedling and crop management
- 5) New crops and varieties of vegetables and ornamental crops for polyhouse cultivation
- 6) Innovations in crop management under protected environment

If the participants feel that he has expertise/ has developed breakthrough information, innovations which are of practical use to the PC practitioners they may prepare the posters accordingly and inform the organizers so that display of the posters can be arranged appropriately. Interested participants may please send the abstract / synopsis (about 300 words) to the organizing secretary before 28.02.2014. A display board of 3 ft. width and 5 ft. height will be arranged to each posters.

NB: The organizers presume that the prospective participants are the actual stakeholders of protected cultivation in one or the other way and are fairly well aware of the present scenario and the problems in the field. Since this being a business meet we request that the participants come to the event fully prepared to discuss and deliberate on various issues of concern to the business of protected cultivation of vegetables and flowers.

NATIONAL BUSINESS MEET

on

Plant Protection in Protected Cultivation of Vegetables and Flowers

on

March 06 - 07, 2014

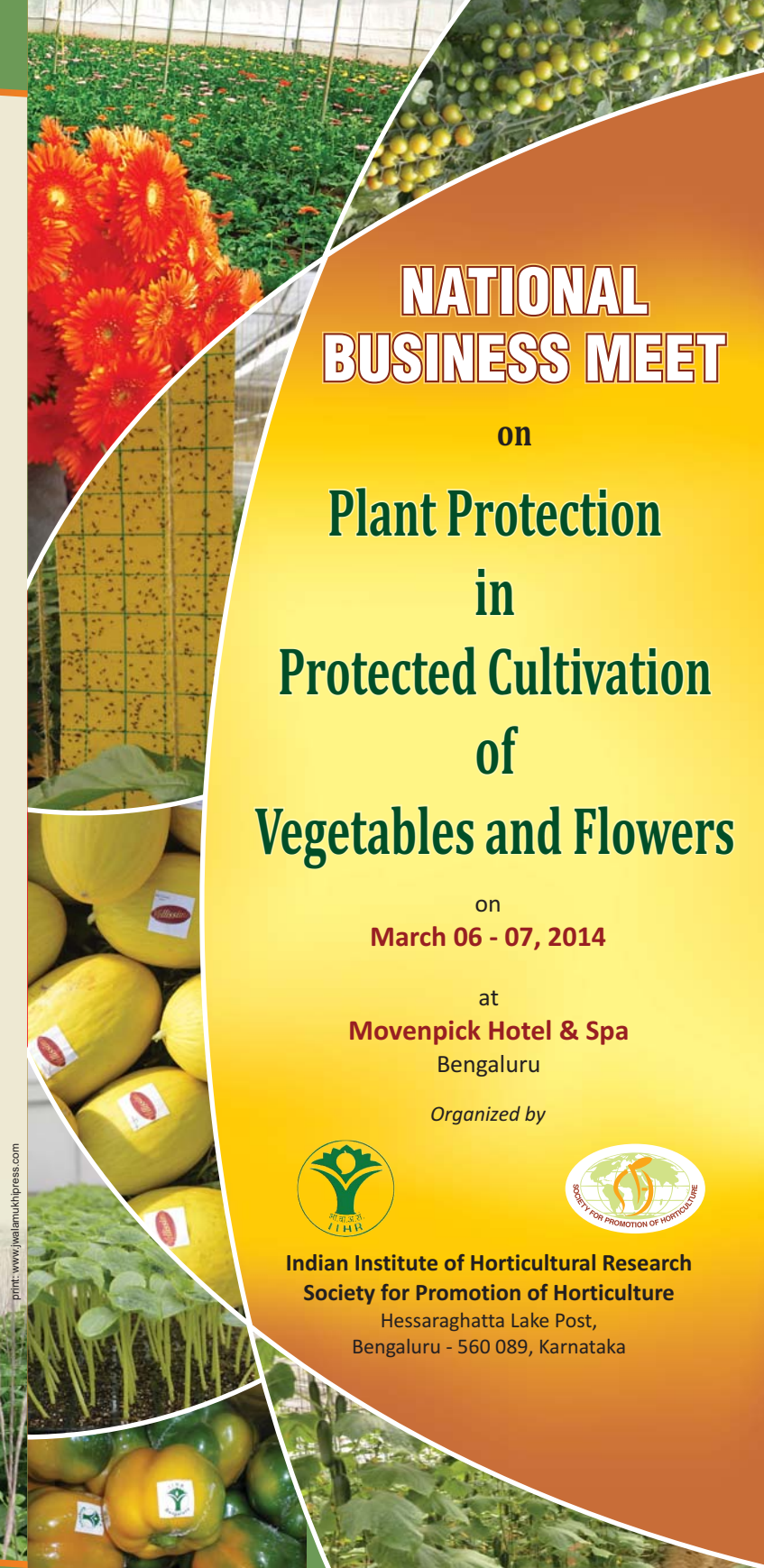
at

Movenpick Hotel & Spa
Bengaluru

Organized by



Indian Institute of Horticultural Research
Society for Promotion of Horticulture
Hesaraghatta Lake Post,
Bengaluru - 560 089, Karnataka



Preamble

Protected cultivation is gaining large scale importance due to continuous increase in the area, diversity of crops cultivated, demand for produce grown under protected environment, both in domestic and export markets, large scale financial assistance from financial and developmental institutions, interest of farmers and other young and well educated entrepreneurs, interest among investors for high income fetching activities in horticulture and for many more reasons. A large number of institutions and individuals are promoting the protected cultivation in India with their technical expertise and also by providing need based support and encouragement to all the stakeholders and striving to bring the protected cultivation into an organized industry. However, there is a discrete effort of such individuals and institutions leading to many constraints like non-availability of good, effective and integrated packages for crop management and plant protection. On the other hand there is continuous and increasing demand for safe and quality produce grown under protected cultivation, intense and felt need among all the stakeholders to put in collective efforts under a single umbrella for an intensive and useful interaction on various aspects protected cultivation. Due to many developments availability of bio-control agents for specific pests and diseases for different crops, both from domestic institutions and MNC's, large scale development of integrated crop management and plant protection packages by IIHR, other ICAR institutes and SAU's it is necessary to integrate technologies, inputs, experiences, efforts and wisdom to develop and disseminate a human and environmentally safe, economically effective and socially acceptable packages for all the major crops under protected cultivation in India.

Objective

1. To bring together all the stakeholders of protected cultivation industry to identify and share their technologies, strengths and interests in the area of integrated management of crops, pests and diseases under protected environment
2. To understand, share and integrate the efforts of all stakeholders to develop and popularize the products, packages and technologies of private and public institutions on integrated crop management and plant protection
3. To popularize the technological inputs (seed/ planting materials of different crops and varieties), products and other techniques (grafting, polybag/ soilless cultivation etc.) for effective management of pests and diseases through integrated plant protection practices, adaptive trials, demonstrations in farmers fields and institutions and

4. To enhance production, productivity, quality, safety and profit of vegetables and ornamental crops grown under protected environment

Participants

Protected cultivation farmers, public and private research and developmental institutions, developmental departments, NABARD, commercial banks, Indian and multinational corporates, direct marketers and retail chain outlets, NGO's, interested entrepreneurs, and others involved in protected cultivation of vegetable and ornamental crops. Registration is limited to only 200 participants, representing all stakeholder groups.

How the Business Meet is useful to you

- ♦ To understand the latest developments and innovations being used and available for adoption in the field of protected cultivation of vegetable and ornamental crops
- ♦ To meet and interact among all the stakeholders, to identify the new areas for business development and to share the knowledge, experience, problems and solutions on various issues of protected cultivation
- ♦ To develop awareness about various technologies and strengths of different public and private institutions operating in India and to identify new areas of business interests (collaborative research, extension, HRD, adaptive trials etc.) in crop, pests and diseases management under protected environment
- ♦ It is a good forum to find new partners and opportunities for expansion of the existing business and for new business collaborations, to develop inter institutional linkages in input management, plant protection, post harvest and marketing of crops under protected cultivation.
- ♦ Institutions can introduce new technologies and identify new avenues for research in India on various aspects of protected cultivation
- ♦ Financial institutions can explore the opportunities, understand the constraints and risks involved in financing the viable projects and can obtain financial solutions for sustainability and profitability of different crops under protected cultivation
- ♦ To identify the policy and researchable issues, gaps in technologies which helps to refine the existing technologies and to offer technological solutions for intensive and large scale promotion of protected cultivation in India
- ♦ It is the good platform for showcasing new products, technologies and other business related materials and products related to protected cultivation industry.

NATIONAL BUSINESS MEET

on

Plant Protection in Protected Cultivation of Vegetables and Flowers

March 06 - 07, 2014

Movenpick Hotel & Spa, Bengaluru

Registration Form

- 1) Name (in Block letters) :
- 2) Designation / Profession :
- 3) Institution/ Company (if any) :
- 4) Postal Address :
- 5) E-mail (if available) :
- 6) Mobile number (if available) :
- 7) Other contact numbers :
- 8) Fax (if available) :
- 9) Details of Demand draft 1) Name of the Bank & Branch
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2) D.D. No....., 3) Date:.....,
4) Place:
OR
- 10) Details of bank transfer 1) Name of the Bank &
Branch.....,
2)ISFC code
Transaction ID.....3) Date:.....,
4) Amount.....
- 11) Interested in poster presentation: YES / NO
- 12) Date :

.....
Signature of the participant

National Business Meet on Plant Protection in Protected Cultivation of Vegetables and Flowers on March 6-7 2014

The Indian Institute of Horticultural Research, Bengaluru and Society for Promotion of Horticulture, Bengaluru jointly organized the **National Business Meet on Plant Protection in Protected Cultivation of Vegetables and Flowers** on March 6-7, 2014 at Hotel Movenpick, Bengaluru. A total of 160 participants comprising of farmers practicing protected cultivation , representatives from Indian and MNC companies, consulting firms , officers from developmental depts., including department of horticulture, Govt. of Karnataka, scientists - researchers from SAUs & ICAR institutions, and NGO's participated in the meet. The programme was organized as a part of the ongoing RKVY project of the Dept. of Horticulture, Govt. of Karnataka on "Demonstration of bio-control of pests and diseases and integrated crop management practices in protected cultivation of Vegetables and Flowers" being implemented at IIHR, Bangalore. The programme was co-hosted / sponsored by Dept. of Horticulture, Govt. of Karnataka, National Horticulture Mission, National Horticulture Board, National Bank for Agriculture and Rural Development (NABARD), Bengaluru, Rijk Zwaan Seeds India Pvt. Ltd., Bengaluru and others.

On 6th March 2014, the programme was inaugurated and continued with two business sessions. In the inaugural session Dr.M.Prabhakar gave welcome address. The programme was inaugurated by the chief guest Dr.D.L.Maheshwar, Director of Horticulture, Dept. of Horticulture, Govt. of Karnataka along with Dr.M.Prabhakar, Head, Division of vegetable Crops, IIHR, Dr.R.Chithiraichelvan, Vice-President, Society for Promotion of Horticulture, Bengaluru and Dr.B.Balakrishna, Organizing Secretary of the meet and presided over by Dr.S.D. Doijode, Incharge- Director, IIHR. In the inaugural session, all the dignitaries emphasized the need and demand for reducing the use of chemicals and pesticides in protected cultivation and urged all

the participants to come out with a systematic action plan for integrating the bio-control methods of managing the pests and diseases under protected environment. Dr.S.D.Doijode specially emphasized the role of IIHR in market integrated promotion of protected cultivation technology both for vegetables and flowers.

The first technical session was moderated by Dr.M.Prabhakar, Head, Division of vegetable crops, IIHR, Bengaluru and Mr.V.Giri Haregoppa, M.D., Rijk-Zwaan Seeds India Ltd. and Dr.Shankara S Hebbar, IIHR, Bangalore joined him as observers. During this session there were six presentations on various issues such as new developments and emerging issues in crop management under protected environment, innovations in crop management and plant protection under cover, GAP's, grafting techniques and soil less culture for effective management of pests and diseases under protected culture, institutional linkages, etc. were discussed. The second technical session was on PHM, structures and institutional support for protected cultivation and marketing, which was moderated by Mr.HSV Giri, Managing Director, Rijk- Zwaan Seeds India Pvt. Ltd., Bengaluru and D.V.Sudhakar Rao, IIHR and Mr. P.M. Shiva Prasad, 3-G floritech, Bengaluru assisted him as observers. In this session there were five presentations on many important issues such Importance of green house designs, cladding material and possible automation for management of pest and diseases in vegetables and flowers, Innovations in PHM of produce for domestic and export markets, Markets and Marketing of fresh vegetables and flowers grown under protected environment and Bio-control of pest and diseases in protected cultivation. Intensive discussions were held on educating the farmers on various technical know-how of these aspects, development of standard designs and their effective implementations, promotion of good PHM practices for domestic and export markets etc. At the end of both the sessions, an action plan was drawn for effective promotion of these technologies all over the country with input from all participants of the business meet.

Important recommendations emerged during these two sessions include 1) Undertaking a large number of FLD's on innovations in crop production, 2) Development of technical standards for different type of protected structures suitable for different agro-climatic situations, 3) Improvement in quality of structures built for protected cultivation at national level and state levels through a recognized committee on PPP mode, 4) Identifying the critical aspects of quality production and educating farmers on all the issues of total quality management for effective plant protection, safe produce for domestic and export etc., 5) farmers should have direct access to information on all these technologies at IIHR and also at different states, along with uploading in a separate website on protected cultivation of vegetable and ornamental crops. The IIHR, DOH, NABARD and other institutions should facilitate for development of good and direct marketing facilities for farmers produce grown under protected environment. There is an urgent need to supply the good quality, certified and time tested bio-products and bio-agents at taluka or block level in order to make them available easily for farmers.

On 07th March 2014, the first session was moderated by Dr.N.K. Krishna Kumar, Deputy Director General (Horticulture), ICAR, New Delhi and assisted by Dr.K.Ramakrishnappa, Additional Director (Farms and Nurseries) and Executive Director, KSHDA, Dept. of Horticulture, Lalbagh, Bengaluru along with Dr. M.Nagesh, NBAII as observer. Various issues in management of pest and diseases under protected environment were discussed such as emerging issues in pest management in protected cultivation in India, new molecules and integrated management of insect pests and Diseases in protected cultivation, Management of nematodes in protected cultivation, Bio-control of pest and diseases in protected cultivation, role of EPM's and other bio-control methods for soil insects and soil borne pathogens, testing of new native predators and parasitoids and microbial strains/ species against emerging insect problems under protected environment, Role of micro-nutrients in relation to pest and disease resistance/ management in

vegetable and flower crops, Pesticide Residue and their management in protected cultivation of vegetable and ornamental crops were presented and intensively discussed. During second session of the day, there was a thorough discussion on multiple problems encountered by farmers, private sectors, government organizations in large scale promotion of bio-control methods. Some of the issues emerged, which needs the institutional support at national and state level along with all the participating government and private sector include 1) Large scale demonstration of bio-control methods of management of insect pests, diseases, nematodes and other plant protection problems under protected environment, 2) Development of a separate interactive website for uploading, downloading, mutual interaction, sharing of technological, technical, marketing opportunities/ information, availability of inputs, effective methods of input and pest/ disease management, demand for different produce in different parts of the country, 3) There is an urgent need to organize the protected cultivation farmers at state and national level in the form of FIG's or CIG's and Federation of protected cultivation farmers, 4) Introduction of new strains of native species of bio-pesticides, parasites and predators along with evaluation of imported species for management of pests and diseases under protected environment, 5) Use of native and imported pollinators in tomato, melons and other crops under polyhouse condition, 6) Use of plant protection chemicals and intensive use of biological products/ methods for production of pesticide residue free products.