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भारतीय कृषि एवं खाद्य परिषद्
INDIAN CHAMBER OF FOOD AND AGRICULTURE



9 -11, November 2022 | IARI Pusa Campus | New Delhi



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AgroWorld 2022 was organized by the Indian Chamber of Food and Agriculture under the chairmanship of Dr M.J. Khan. The inaugural function was held on Wednesday, 9 November, 2022 at Mela Ground Pusa Campus, New Delhi. The event was inaugurated by Shri. Faggan Singh Kulaste, Minister of State for Rural Development, Government of India. The Minister along with the other eminent dignitaries visited different exhibited stalls displayed on mela ground. The event was then proceeded by the lighting of a lamp by Dr MJ Khan, chairman and Chief Guest, Shri. Faggan Singh Kulaste, Minister of State for Rural Development joined by other dignitaries Dr. William Dar, former Secretary of Agriculture, Philippines, Dr. A. K Singh, Deputy DG, ICAR-Department of Horticulture, Mr. Maharaj Muthoo, President, Roman Forum, Rome, Dr. NK Dadlani, Advisor-ICFA.



Inaugural session of the event (November 9th, 2022)

Dignitaries on the dias :-

- Shri Faggan Singh Kulaste, Hon'ble, Minister of State for Rural Development
- Dr. William Dar, former Secretary of Agriculture, Philippines and ex DG, ICRISAT
- Dr. AK Singh, Dy. DG, Horticulture, ICAR
- Mr. Maharaj Muthoo, President, Roman Forum, Rome
- Dr. MJ Khan, Chairman, Indian Chamber of Food and Agriculture
- Dr. NK Dadlani, Advisor, Indian Chamber of Food and Agriculture

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Visit to the Exhibited Stalls

The Minister along with the other eminent dignitaries visited different exhibited stalls displayed on mela ground.



Welcome address by Dr. MJ Khan

Dr Khan discussed about the changes in agricultural sector that would be seen in the upcoming year 2025. He also mentioned about how different sectors of agriculture including fishery, poultry, dairy, and horticulture has increased the economy. 2023 being the year of millets, india is laying great emphasis all over the world in terms of millet production. He also discussed about agri startups and climate dependent agriculture.



Lightening of the lamp



The event was then proceeded by the lightening of the lamp by Dr MJ Khan, chairman and Chief Guest, Shri. Faggan Singh Kulaste, Minister of State for Rural Development joined by other dignitaries Dr. William Dar, former Secretary of Agriculture, Philippines, Dr. A. K Singh, Deputy DG, ICAR- Department of Horticulture, Mr. Maharaj Muthoo, President, Roman Forum, Rome, Dr. NK Dadlani, Advisor- ICFA.

The event then went on smoothly, with the individual address of different speakers on burning and sensitive issues of agriculture. The overall session Included the topics related to how knowledge, exposure and wisdom could help the farmers overcome the challenge in the sector, the session also emphasized on value addition, innovation, science and technology, climate change and the effects on agriculture. At the end of verbal session by the eminent speakers, the mementoes were offered to them, as a token of respect which was then followed by vote of thanks proposed by Dr NK Dadlani, advisor at ICFA.



Mr. Maharaj Muthoo Swami, President, Roman Forum, Rome

Maharaj Muthoo Swami laid emphasis on agriculture and rural development going hand in hand. He mentioned how India is flourishing in milk production.



Dr. AK Singh

Dy. DG, Horticulture, ICAR

He discussed about government policies and technologies regarding different sectors of agriculture. He talked about how government is taking initiative in terms of processing of food commodities, farmers awareness, value addition and climate change. He said that knowledge exposure and wisdom togetherly is going to help the farmers overcome the challenges.



Dr. William Dar former Secretary of Agriculture, Philippines and ex DG, ICRISAT



discussed about the three big problems of the world that changed the scenario of the agriculture sustainability which included three Cs.

- Covid 19 pandemic and the disruption caused due to this
- Climate change
- Conflicts in Ukraine



Shri. Faggan Singh Kulaste,

Minister of State for Rural Development

began with greeting everyone and said that largest source of livelihoods in India is agriculture and its allied sectors. He also mentioned about former Prime minister of India Shri Atal Bihari Vajpayee who once said that India is a Krishi Pradhan desh and talked about the vision of our prime minister Shri Narendra Modi to double farmer's income and the initiatives taken by the government of India in this direction. He further discussed that there are numerous income sources for farmers in horticulture, fishery, poultry and dairy sectors as well and government is supporting the farmers in these sectors by providing subsidies and other government schemes. He said that horticulture has a good scope in hilly regions like himachal Pradesh, uttrakhand, and also North eastern states. He also discussed about PM's vision of encouraging agri startups in order to increase agri exports from India



and government is working for the welfare of farmers by providing subsidies and other schemes for rural development. He further talked about NREGA scheme which provides employment and also about a new concept by our PM of building 'Amrit sarovars'. This Mission Amrit Sarovar was launched as a part of celebration of Azadi ka Amrit Mahotsav with an objective to conserve water for future and is aimed at developing and rejuvenating 75 water bodies in each district of the country.



Inaugural of the 5th India Agribusiness Summit

Dr. Poonam Malakondaiah

Special Chief Secretary,
Government of Andhra Pradesh

opened the session and quoted Andhra Pradesh as Fish bowl of India, Rice bowl, Fruit bowl and Seed bowl of the country. She expressed pride in their state's farmers, chief minister and government of Andhra Pradesh for taking measures for welfare of farmers. She further led emphasis on importance of agribusiness, right inputs, sustainable agriculture, crop diversification, quality produce and also said that if there is no good produce, there will be no markets and hence there will be no business. She focussed on ensuring food supply chains, asked farmers to adopt organic and natural farming and discussed regarding precision agriculture, food and nutrition security, climate smart agriculture, sustainable agriculture, Good Agricultural Practices. She also talked about WTO and its focus on non-tariff barriers rather than tariff barriers.



Dr. William Dar

Former Secretary of Agriculture,
Philippines and ex DG, ICRISAT



led emphasis on different crops including chickpea, peanut and also made acquainted with how different hybrid researches are going on in ICRISAT which all totally aims at doubling farmers income through agribusiness. He also talked about encouragement of youth in order to get engaged in agribusiness, encourage farmers and develop partnerships with private sectors considering productivity and enhancing nutritional security.



Dr. Ashok Dalwai

Chairman, Prime Minister's Task Force
on Doubling Farmers' Incomes

mentioned that modern science is going very far from the nature. Ecological sustainability and ecosystem based agriculture are the concept of ones health that includes human world, animal world and plant world. He also mentioned that two way flow of communication can make a balance between demand and supply.



Vote of thanks was proposed by Mr. NK Dadlani to every individual speaker. In his words he praised all the speakers and their perspective together which would help in agriculture sustainability.



Session 1 : Policies to Power Farm Growth

Dr. Poonam Malakondaiah

Special Chief Secretary, Government of Andhra Pradesh chaired the session and presented the presentation on YSR Rythu Bharosa program launched by the Government of Andhra Pradesh to financially assist farmers by depositing an amount of Rs 13,500 per annum in three instalments, in association with Pradhan Mantri Kisan Samman Nidhi with the state government contributing Rs 7500 and the center Rs 6000.



Mr. RL Tamak

CEO, Sugar Business, DCM Shriram Ltd commenced the session and emphasized on ethanol blended petrol programme. He said that in the year 2013-14, ethanol supplied for blending was only 38 crore litres, whereas in 2014-15, under the modified EBP supplies increased to 67 crore litres and also talked about benefits to farmers as it empowers farmers and it is environment friendly which helps in reducing pollution.



Dr. Elizabeth Saipari

Director of Horticulture, Mizoram discussed regarding the agricultural problems in Mizoram and



achievements of the state government to combat those problems. She said that North eastern states including Mizoram has high horticulture potential but the problem is uneven topography, fragmented and scattered cultivation, difficult to organize farmers to get together, no processing units in the state, cost of production is high, problem of post-harvest loss etc.

Mr. RK Chitkara

Group Advisor, ICFA talked about farm growth and difference between agribusiness and agriculture. He said that such policies should be formulated which helps in more earning of money for the sustenance of families of farmers and also which encourage them to remain engaged in agriculture.



Session 2 : Technologies to Transform Agriculture —

Ms. Annalisa Zezza

Agriculture & Food Attache, Embassy of Italy chaired the session and emphasized her words on to build the capability of education and training in order to build innovations and technologies in strong



frameworks. She also considered that the farmers should be provided with proper incentives in order to practice sustainability. The major challenge according to her for the sector is computer illiteracy that needs to be overcome.

Mr. Sachin Bandwana

Cofounder, Bighaat opened the session and emphasized on the innovation in technologies to level up and transform the agriculture. He stated that farmers should get the right information, right and high quality inputs, end to end crop guidance and market linkages for various commodities. He further detailed about their organization which is India's



largest Agri Inputs digital marketplace platform, released a comprehensive agri input stack backed by the robust network of satellites, agronomists & farmers with an aim to deliver autonomous surveillance & crop care in real time. This facility lets the farmer visit their farm, click an image and upload via the 'Crop Doctor' feature of the BigHaat app. The AI technology then advises the best practices, most suitable inputs & offers dynamic assistance in real time to the farmers. This unique approach is aimed towards automating croppcare across India, giving the farmers a reliable full stack farm management approach. BigHaat has connected the farmer community with Kisan Vedika, a Facebook-styled social media facility for farmers' where they can ask their queries in regional languages and expect end-to-end guidance by their team of agriculture experts. This is the platform to bring all the stakeholders together.

Mr. Agam Khare

Founder, Absolute commenced the talk by mentioning the significant role played by science and technology in agricultural sustainability. He also stated that its not only artificial intelligence but



nature's intelligence that leads to sustainable agriculture and the absolute is based on this only. There were also certain discussions about how agriculture flourished after Bengal famine and the role of national food security.

Prof. C. P. Suresh,

HOD Horticulture, NEHU expressed his concern regarding water depletion and water available for agriculture. He talked about different water percentage available for different usage. He made acquainted with different irrigation method including drip and sprinklers. Ge introduced sensor based irrigation technology, where sensors can sense the amount of water required by plants, which in turn minimises the water loss. He ended his words saying Innovation and new technology can help to maintain the agriculture sustainable.



The session also discussed about how milk production is booming in the country. Milk if considered crop is one of the biggest crops. Around 40% farmers in India have cows which helps them earn a better livelihood through milk production. The focus needs to be put on Indian dairy sector and how one could help the famers to tackle the challenges related to dairy. It should also have suggestions and solutions on how the farmers should practice farming along with dairy practices.



Session 3 : Trade to Empower Farmers

Mr. Baldev Prakash

MD & CEO, JK Bank opened the session and discussed about the significance of JK bank that how it is playing a dominant role and leading to transformation in economy of J&K union territory. He



further elaborated regarding the bank's contribution in boosting agricultural economy and its main objective to provide adequate and timely credit for comprehensive requirements of farmers with flexible and simple features.

Mr. Aleen Mukherjee,

COO, NCDEX commenced the session and detailed about their organization first that it is the largest online commodity and derivative exchange and works for over 400 FPOs in India. He stated that India occupies a leading position in global trade of agricultural products and it is one of the largest agricultural product exporters in the world but the



major problem faced by Indian agricultural market is market price determination for farmers for which NCDEX is working on as it assists Indian farmers in the price discovery process. It enables them to price their goods more accurately even if they are not active in the futures market. He also emphasized that technology is the solution for farming problems and demand and supply balance is to be maintained in the market. He finally talked about Agriculture Infrastructure fund to create the infrastructure for post-harvest management.

Mr. Maharaj Muthoo

President, Roman Forum, Rome emphasized on the fact that farmers should not be allowed to work as slave anywhere in the world.

Dr. Rahul Pandey

Dean, Imperial School of Agri Business discussed regarding how the technology will reach the farmers. He emphasized upon the empowerment of youth.

Dr. Prathapan,

VC, DY Patil University commenced the session with the mentioning of Kerala as Land of Ayurveda. He also talked about the empowering of women in every field.



Presentation of INDIA AGRIBUSINESS AWARDS 2022

The much coveted Agri-business awards were presented to companies and organizations operating in India who are serving farm or food sector with good quality products, technologies or services. The distinguished panel that gave away the awards comprised

- **Shri Sanjeev Kumar Balyan**, Minister of State for Animal Husbandry, Dairying and Fisheries, Government of India as our **Chief guest**
- **Shri JP Dalal**, Member of Haryana legislative assembly
- **Mr. William Dar**, former Secretary of Agriculture, Philippines and ex DG, ICRISAT
- **Dr. Ramesh Chand**, Hon'ble Member, NITI Aayog
- **Dr. MJ Khan**, Chairman, Indian Chamber of Food and Agriculture
- **Dr. NK Dadlani**, Advisor, ICFA
- **Mr. Baldev Prakash**, MD & CEO, JK Bank



Shri Sanjeev Kumar Balyan

Minister of State for Animal Husbandry, Dairying and Fisheries, Government of India

was welcomed as hon'ble chief guest and therefore he began addressing everyone and quoted that dairy sector is the most organized sector. He said that agriculture and animal husbandry are the sectors being focussed by Prime minister for the betterment of farmers but every aspect cannot be touched only by central government but also needs support of state governments. He said that states should work and strengthen agriculture and allied activities for farmer welfare. He mentioned about scientist Dr. Bakshi Ram who came up with a new variety of sugarcane i.e. Co-0238 variety also known as 'wonder variety 238' to increase farmers' income. He also focussed on the fact that as more young entrepreneurs are coming up in animal husbandry, fishery, etc, likewise agriculture also needs these tyoe of entrepreneurs.



Dr. MJ Khan thanked and addressed everyone by expressing his views on connecting business and agriculture and how transformation is taking place from traditional to technical, production centric to marketing centric and deficiency to surplus and also he mentioned about new startups coming up in India.



INDIA AGRIBUSINESS AWARDEES 2022

Seeds	AP State Seeds Development Corporation Limited
Agri Finance	Odisha State Cooperative Bank
Farm Machinery	Shaktiman Agro
Crop Nutrition	Fertis India Private Limited
Crop Protection	Krishi Rasayan Exports Private Limited 6
Agri Technology	Stellapps Technologies Private Limited
Innovations	Prathista Industries Limited
Agri Startup	ABSOLUTE
Agri Value Chain	DeHaat
Poultry	Skylark Hatcheries Private Limited
Dairy	Ananda Dairy Limited
Fisheries	National Fisheries Development Board
Food Processing	Jain Farm Fresh Foods Limited
Medicinal and Aromatic Plant	Central Herbal Agro Marketing Federation
Trade	KRBL Limited
Development	ITC Limited
Animal Health	Himalaya Wellness Company
Agribusiness Education	Imperial School of Agribusiness Management
Farming Systems	Sh. Sanjay D Patil
Horticulture	Mrs. Elizabeth Saipari
Best District	The District of Bijnor
Best State	The State of Haryana

DAY : 2

AgroWorld 2022

India International Agro Trade and Technology Fair

Thursday, 10th November 2022

Session 1: Investment and Export Opportunities for States

Ambassador, C Rajasekhar

OSD, States, Ministry of External Affairs

Mr. Sabir Hussain

Additional Secretary, Agriculture, Kerala commenced the session and emphasized on One district One product scheme of Government of India and regarding the declaration of the year 2023 as International year of millets. He also made acquainted with how FPOs are working in his state and laying emphasis on the production of banana and jackfruit.

Mr VS Sirohi

Group Advisor, ICFA talked about farm growth and difference between agribusiness and agriculture. He said that such policies should be formulated which helps in more earning of money for the sustenance of families of farmers and also which encourage them to remain engaged in agriculture.

Mr. Tarun Bajaj

APEDA emphasized on how states are playing very vital role in exports. Maharashtra being one of the largest exporters is one of the highest contributors of GDP. He also laid emphasis on how state must take certain steps like identifying infrastructure and logistics gap, requirement of good agricultural practices, good hygienic practices, and uninterrupted power supply in order to increase the contribution of the sector and enhance import and export facility.

Dr. Arjun Saini

DG, Horticulture, Government of Haryana

Mr. Shekhar Babu Geddam

IFS Vice Chairperson and Managing Director AP Seeds



Session 2 : Investment and Export Opportunities for States

Dr. MJ Khan

chaired the session and extended a warm welcome to the panellists. He talked about how and what differences would be there in agriculture sector



from last decade to the upcoming decade. He also talked about the importance of technologies and policies playing vital role in the upliftment of agriculture sector.

Mr. Ravinder Grover



Program Lead, Harvest Plus attracted the audience by laying emphasis on women empowerment and their struggle to get loan. He also talked about how agriculture is being suffered due to climate change. He also talked about hidden hunger and nutrition and biofortification.



Mr. Balasubramanyam

CEO, 24 Mantra Organic brought attention to the reduction of post-harvest losses and also laid emphasis on information dissemination which is much required.



Mr. Dushyant Tyagi

CEO, Farmgate Technologies Limited mentioned data is future and his concern about how the resources use efficiency to dropped since last decades since 1991 and then there was a high search in conviction of resources after 2010.



Session 3 : Better Credit Outreach for Better Agriculture

Mr. Deepak Pareek

Advisor and Mentor, AgTech Start-ups chaired the session and talked about digitization and tools involved in bringing wide range change in precision agriculture.



Mr. P Gopala

expressed his concern towards his farmers how they are deprived of knowledge and money and how the castor has to work for their upliftment and made them aware about their rights so that they can work to maintain better nutritional security and enhance productivity.



Mr. Shivender Tomar



GM, IFCI Limited talked about the credit flow to the farmers and mentioned large numbers of schemes supported guided or issued by government are into flow for the farming community. He mentioned that banks being the most important channel for money flow for agriculture apart from other institutions and micro finance institutes.

Mr. H S Grewal

expressed his concern towards whole of the input parameters including infrastructure facility, policy deficiency, weakness in the law, wrong information etc that is being supplied to the farmers and in turn they are made to pay high interest which is not acceptable.



Session 4 : Inputs Key to Farm Productivity

Dr. NK Dadlani

Advisor, ICFA chaired the session and praised the initiatives like rythu bharaosa kendras established by Andhra Pradesh government and encouraged for more such initiatives to support farmer community



Smt. Pernati Hema Sushmitha



Chairperson, AP Seeds- she talked about seed being the basic of agri. We should use the quality seeds so that the productivity incurred from the input is better in terms of quality and nutrition. The seeds should be free from inert matter and we should ensure that quality seeds should be provided to the farming community. Seeds testing labs should be set all over the country and regular testing of seeds

Dr. Arvind Kapur

CEO, Ascen HyVeg Seeds P. Ltd.- he talked about different sectors of investment in seeds and plant breeding centres. He mentioned the data that at present, in India there are about 3.6 mn investment in total seed industry which makes India stand 4th in the que after USA and china. Most of the investment are coming from private sector. He put forth a suggestion that investment should now be done in upstream phase and breeding phase. He mentioned that it is both policy and approach that makes the contribution of the breeders towards plant breeding.



Mr. Shekhar Babu Geddam

IFS Vice Chairperson and Managing Director, AP Seeds- he made the audience acquainted with the changing scenario of public sector and the changes witness from last decade to the present. He laid emphasis on to enhance productivity which will further enhance the nutritional security. There should be equal participation of all the sectors including public and private in order to improve variety so that both the sectors have the credibility of what inputs they are providing to the input sectors. He also laid emphasis on the kisan drones.

Session 5 : Digital Tools for Precision Agriculture

Mr. Deepak Pareek

Advisor and Mentor, AgTech Startups - he talked about digitization and tools involved in bringing wide range change in precision agriculture



Mr. Dushyant Tyagi



CEO, Farmgate Technologies Limited- he mentioned that Opaqueness of the market should be delt with so that it may help their farming community for their better Upliftment. He mentioned: betterment of agriculture can be done through the use of power of technology.

Mr. Ajay Kakra

Managing Partner, JU Agri- his talks included that about the proper integration of tools with the farming practices should be done in order to bring better productivity and better economic return. Accuracy in collection of data is one of the most important factors to increase productivity and production. Quality data collection, integration and consolidation should be maintaining us in terms of Upliftment of value chain



Dr. Murtaza Hussain

Principal scientist, ICAR- He made acquainted the audience about what exactly the precision agriculture means. He talked about the importance of 3Rs i. E right time and right place right amount in order to increase productivity and production through the use of digital tools. He made acquainted the audience about what exactly the precision agriculture means.



Mr. Pradeep Kumar

Director, COSMOS Hyderabad- he talked about the importance of data and also mentioned that data if used correctly can incentivize the end user.



Mr. Tauseef Khan

Co-founder and CEO, Gramophone - he talked about the challenge being faced by the farmers and how farm economics is becoming tough for them. He also mentioned that the usage of data to improve the economics and precision is not just a need but would become a necessity in the upcoming year.



Ms Swaminathan Global Dialogue on climate change and food security

10th November, 2022

New Delhi

Dr. RB Singh, former Chancellor, CAU and President Emeritus, NAAS- he talked about how agriculture is suffering due to climate change but then agriculture is the only solution for climate change

Dr. MJ Khan, Chairman, ICFA- his conversation included the effect of climate change in different sectors and how technology Upliftment awareness and incentivization is important. He also mentioned that there is a need in the reduction of carbon emissions, commitment of national international bodies is necessary for enhancing nutritional and food security. Different policies and strategies need to be brought into rules to maintain nutritional security and decrease death due to hunger

Dr. Alok Sikka, India Representative, IWMI- he said how climate change is real that is being witnessed in day to day life. Vulnerability and adaptive capacity is the need of hour. Poor being the most vulnerable.

Mr. Maharaj Muthoo, President, Roman Forum, Rome mentioned that the climate change is one of the biggest challenge in today's world and how drastically it is affecting Agriculture and farming community so measures should be taken to help farmers in order to earn proper income and ensure that nobody dies due to hunger



FPO Summit

held on 11th November, 2022



Dr. Sanjay

gave an insight on how FPOs are working in India and state of Maharashtra. The success rate of FPCs and FPOs formation will only be achieved by hard work and support to the entrepreneurs who wants to join the FPCs or FPOs. There are different schemes for FPOs being run by the government.

Mr. Deepak Parekh

said that India being a largest producer of milk can also flourish in terms of agriculture if hard work and motivation along with dedication is practiced. He also gave an insight of problems faced by farming community which included buying and selling of products, problems related to value chain, etc. he said that farmers need to be united so that India flourishes in agriculture.



Mr. US Jha



discussed about the structure of FPOs and made acquainted the audience about the most important factor that is needed for an FPO to work is fund or credit. He also talked about the need to simplify the marketing linkage and processing of fund through policy intervention.

Dr. M J Saxena

Ayurvet India pvt ltd. gave an insight of how science, knowledge and technology is playing a major role in FPO formation and also preventing youth to migrate to urban areas. He talked about soil health including soil organic humus and soil organic carbon deficiency of which can lead to loss in productivity.



Mr. H. S Grewal

He talked about organic farming. He also mentioned that awareness should be made among farmers about different scheme and technology. He even talked that, "why farmers have to pay larger tax than the industry since they are the ones suffering more at ground level." He also said that traceability and transparency is needed in FPOs.



Mr. Anup kalra

He laid emphasis on the need of the hour to solve the problem of farmers which In turn can help to withstand the hunger and decrease the death rate.



All the inputs including fertilizer and mineral nutrition should be made available to them so as to enhance productivity.

Concluding Ceremony

The vote of thanks at the concluding ceremony was proposed by Dr MJ Khan, chairman, ICFA. He expressed his heartfelt gratitude towards audience, exhibitors, and sponsors for making this 3 day event a great success. He thanked to each and every one to pave the way to more such events. later the event was concluded by presenting mementoes to all the sponsors and exhibitors



GLIMPSES OF AGROWORLD 2022



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