

**AGROVISION  
FOUNDATION**

**ANNUAL  
ACTIVITY  
REPORT**

**2022-23**



IMPROVING AGRICULTURE,  
IMPROVING LIVES

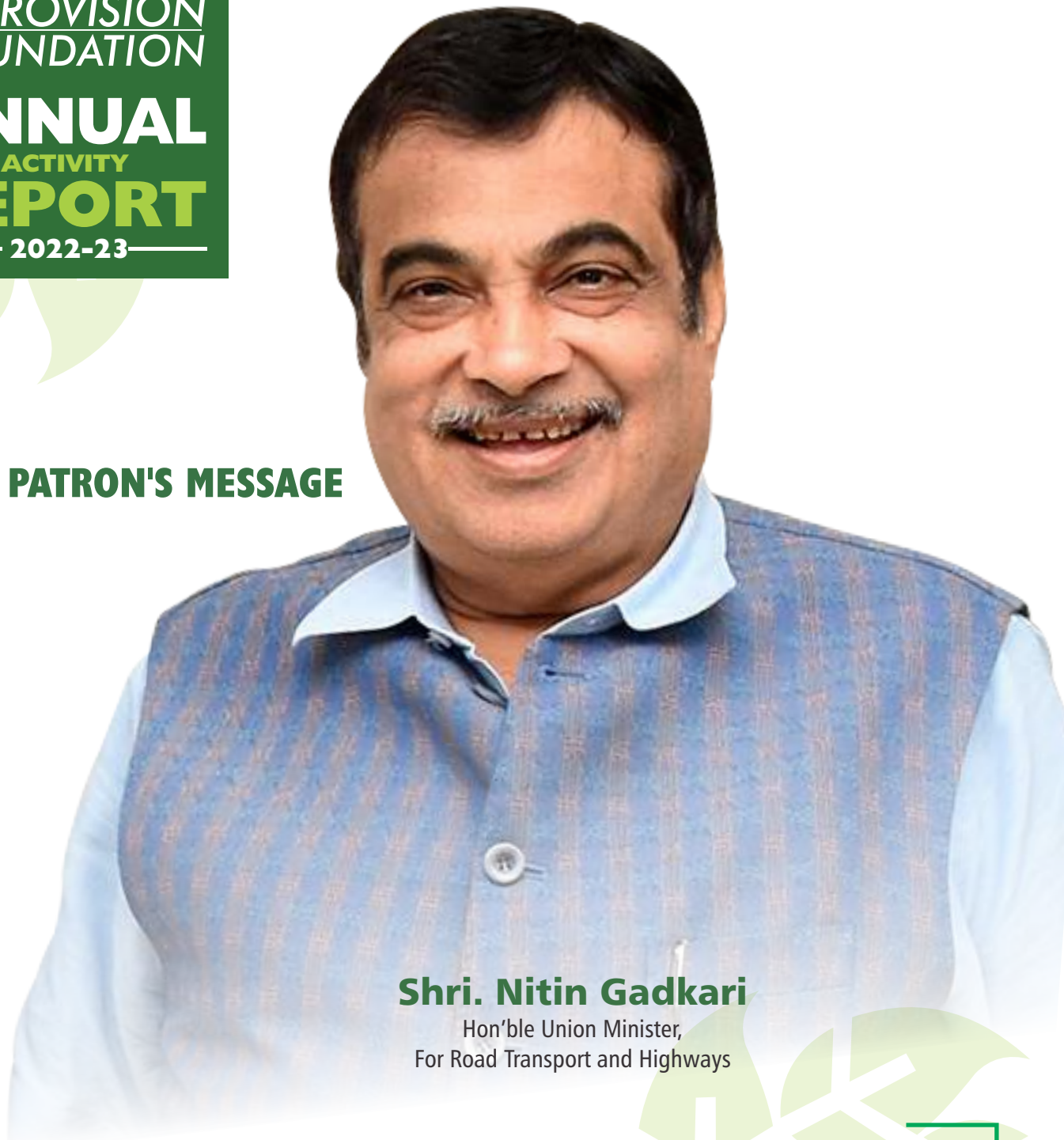


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## OUR CHIEF PATRON'S MESSAGE



### **Shri. Nitin Gadkari**

Hon'ble Union Minister,  
For Road Transport and Highways

Agrovision Foundation is committed to give new concepts in farming and introducing new Agri -Technology every year. Besides knowledge dissemination to achieve prosperous future of farmers, Agrovision Foundation conducts technology transfer in field to demonstrate to farmers and farmers producing companies (FPO), the new techniques of farming. Agrovision works through determination, perseverance, commitment and confidence for opening new chapter of prosperity in rural Vidarbha region of Maharashtra.



# FROM PRESIDENT'S DESK.....

It is a great pleasure to place before you the annual activity report of AGROVISION FOUNDATION for the year 2022-23. Agrovision foundation signed a MoU with APEDA, which will facilitate and become an extended arm of APEDA in conducting capacity building programmes for the entrepreneurs, FPOs, Exporter and other stakeholder. Second and Third Outreach Programs on Agri-Crops / Fruits and Vegetables Export Prospects in Vidarbha was organized on 17th July 2022 and 10th September 2022, along with a conference on Drone for Agriculture on 11th September 2022; APEDA'S three major programs were organized this year with the participation of around 1500 stakeholders. The 13th AGROVISION Exhibition was organized from 25th to 28th November 2022 at PDKV Ground Dhabha. The exhibition had three conferences, three guidance programs and 30 workshops on various topics and inspiring success stories of farmers. The response from the participants and farmers was overwhelming. I thank all visitors, exhibitors, sponsors and students for their continued support.

In addition, this year we successfully completed two projects, **PROJECT BANDHAN** and **PROJECT POSHAN**

## PROJECT BANDHAN

The mating disruption technology has been widely experimented and adopted as a tool for the management of pink bollworms on cotton. In the Vidarbha region of Maharashtra, Agrovision Foundation and South Asia Bio-technology Center, Jodhpur have demonstrated the technology on large-scale initiatives in 5 clusters in Nagpur district. Subsequently this year 2022-23 the same was extended throughout the region and 7 clusters were chosen in five district. Viz., Nagpur, Wardha, Yavatmal, Amravati, and Buldhana, in total of 379 acres of area. The technology can be now recommended to the farmers for wider adoption.

## PROJECT POSHAN

Agrovision Foundation has undertaken a project called "PROJECT POSHAN" to promote and popularize the new cotton nutrition technology developed by Smartchem Technologies Ltd., a 100% subsidiary of Deepak Fertilizer and Petrochemical Ltd. (STL-DFPCL), Pune. The company has developed a new nutrient unlock technology called CROPTEK-SOLUTION, In fact, imbalanced nutrition, deficiencies of micro elements and lack of awareness about soil nutrition are some of the important reasons for low productivity of cotton in Vidarbha region of Maharashtra. Hence it was necessary to disseminate the knowledge about cotton nutrition and transfer the technology available to farmers for their benefit. The impact will be visible in next season as many farmers who interacted with Agrovision Foundation agreed that they want to use the technology, The farmers rallies were organized at the four demo plots of 0.5 acres in two villages around Nagpur, one at the developed field of Ankur Seeds and other at Shri Shivaji College Farm, Amravati.

Our mission is to establish a Farmer Training and Education Center and Cotton Testing Laboratory at Nagpur to raise the standard of living of Vidarbha farmers, and also to create awareness about innovative and sustainable farming practices. This can be achieved through knowledge transfer through training, workshops and undertaking special projects for farmers.

## MANAGEMENT TRUSTEES OF AGROVISION FOUNDATION



**Shri. Ravi Boratkar**  
President



**Dr. C.D. Mayee**  
Secretary



**Shri. Ramesh Mankar**  
Treasurer

## EXECUTIVE MEMBERS OF AGROVISION FOUNDATION

- Shri Sudhir Dive • Shri Anandrao M.Raut
- Shri Shrish Bhagat • Shri Prashant Kukade
- Shri Milind Tichkule

- Shri Vijay Jadhav • Shri Prashant Wasade • Shri Madhav Kotasthane
- Shri Shridhar Thakare • Shri Nitin Kulkarni • Dr. Sunil Sahatpure
- Dr. Pinak Dande

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## Year At A Glance



**Trainings, Workshops & Conferences**



**Projects**



**Event**



**Outreach**

### Key Programs Area

- **Agri Export Outreach Program**
- **One-Day Conference on Drones for Agriculture**
- **One-Day Workshop on Hydroponics vegetable farming**
- **Special Projects :**
  - 1) **PROJECT BANDHAN**
  - 2) **PROJECT POSHAN**
- **13<sup>th</sup> Agrovision : 2022**

## PROGRAM BRIEF :

### Agri Export Outreach Program

#### 1. Second Outreach program on Export Potential for Field-Crops, Fruits & Vegetables in Vidarbha.

Agrovision Foundation in collaboration with APEDA organized an Agri Export Workshop on 17th July 2022 at Hotel Rangoli Pearl, Amravati, attended by around 950 stakeholders and featured four technical sessions and 8 experts. "Agrovision Foundation signed MOU with APEDA to conduct capacity-building programs". Shri Nitinji Gadkari, Chief Patron Agrovision In his speech said that good nurseries will soon be available in Vidarbha to provide orange saplings to the farmers on the basis of good technology. If farmers spray with drones instead of hand spraying, 70% of the chemicals and fertilizers reach the plants. Efforts are being made to get the drone which is currently available for seven to eight lakhs in the future for three to four lakhs. We are also trying to reduce the cost of spraying by using bio ethanol. It is unfortunate that the farmer's income does not double even when the land is good, so it is necessary for the agriculture research centers, Agricultural Universities to take the initiative that will benefit the society at large. Farmers can proposer only through guidance, training and research. Efforts are underway to start VASANTDADA SUGAR INSTITUTE in Vidarbha soon. If the scientist and professor of the agricultural college go to the agriculture and guide the farmers, it will give results. The path to prosperity can be made easy only through education, training research and development.



#### 2. Third Outreach Program on Export Potential for Field-Crops, Fruits & Vegetable in Vidarbha.



Agrovision Foundation in collaboration with APEDA organized an AgriExport Workshop on 10th September 2022 at Hotel Center Point, Nagpur, attended by around 500 stakeholders and featured four technical sessions and 7 experts. Shri Nitinji Gadkari, Chief Patron Agrovision said that, there is significant potential for boosting exports of fruits and vegetables from the Vidarbha region of Maharashtra. In order to achieve higher exports, farmers have to adopt the latest technology in agriculture, and they have to be open to new research findings and adopt innovative farming practices as has been done in the grape-growing area of Nasik in Maharashtra. He emphasized that there is huge scope to increase the export of agricultural produce such as fruits, flowers, and vegetables from Vidarbha but there is also a need to adopt new technology and experimentation. Improving the quality of agricultural produce fulfilling all safety criteria, and good packaging is also essential. He also mentioned that the use of drone technology for spraying agrochemicals can reduce farm losses up to 70% when compared to current agrochemicals practices. Similarly, use of good

packaging material also helps to minimize the export handling issues. He noted that all-out efforts will be made through Agrovision Foundation and APEDA to increase exports from Vidarbha.



## One Day Workshop on Hydroponics Vegetable Farming

Agrovision foundation in collaboration with plant pathology department of Agriculture College, Nagpur jointly organized one day workshop on Hydroponics vegetables farming on 6th August 2022 at College of Agriculture, Nagpur and this workshop was attended by 25 farmers and Agri-Entrepreneurs.



## One-Day Conference on Drones for Agriculture

A one-day conference on Drones for Agriculture was organized on 11 September 2022 at Vanamati Auditorium Hall, Nagpur in association with Agrovision Foundation, Nagpur and Mahatma Phule Agricultural University, Rahuri. Hon'ble Mr. Abdul Sattar, Minister of Agriculture, Government of Maharashtra was the chief guest of the event, in the presence of Hon'ble Shri Nitinji Gadkari, Union Minister of Road Transport and Highways, Dr. C D Mayee, Chairman, Agrovision Advisory Council, Shri Ravindra Thakre Director VANAMATI, Shri Ravi Boratkar, President, Agrovision Foundation. This conference was attended by 350 Stakeholders.

Hon'ble **Mr. Abdul Sattar**, Minister of Agriculture, GoM said that drones have huge potential and their use in agriculture can make a big difference in improving agricultural efficiency. Mr. Sattar said that Maharashtra government is going to provide infrastructure for drone farming.

Hon'ble **Shri Nitinji Gadkari**, Union Minister of Road Transport and Highways, explained the uses of Drone Technology and said that many farmers faced health problems earlier due to the manual spraying of pesticides. But now with the advent of drone technology, spraying of pesticides has become safe and economical." about effective implementation of drones in agriculture, Shri. Gadkari emphasized on exploring flex engines instead of batteries to power the Agri drones. As flex engines run on ethanol, it will invariably bring down the operational cost of drones. Shri. Gadkari also added that currently the cost of drones is high. If the Maharashtra State government approves loans for drone purchase through the Union Ministry of Micro, Small and Medium Enterprises, small scale farmers can use drones for farming.



## SPECIAL PROJECTS

### Project Bandhan (Phase- II)



Agrovision Foundation in collaboration with South Asia Biotechnology Center (SABC), Jodhpur and Dr PDKV, Akola successfully implemented the second phase of the PROJECT BANDHAN. Implemented by KVK, Wardha, KVK, Yavatmal, KVK, Buldhana, Shri Shivaji Agricultural College, Amravati and Ankur Seeds Private Limited, Nagpur, the project was supported by the PI Foundation. PROJECT BANDHAN (Phase- II) was implemented during the cotton season 2022-23 in five districts of Vidarbha (Maharashtra) viz. Nagpur, Wardha, Amravati, Yavatmal and Buldhana covering nearly 80% of cotton area of Vidarbha region. Seven clusters of around 60 acres each, were chosen in five districts, two each in Yavatmal (Village Udarni & Rampur) and Buldhana (Village Sawarkhedhi Tejana & Borkhedhi Barawa) and one each in Nagpur (Village Kinhi), Wardha (Village Ratanapur) and Amravati (Village Samada) involving 80 farmers in total with the area of 380 Acres. This year was exceptional from the point of climate change and excess rainfall, the overall incidence and hence and the damage due to PBW in cotton was far less than expected. PB KNOT Technology has proven that it can reduce insect damage

### Project Poshan

Agrovision Foundation, Nagpur in collaboration with Smartchem Technologies Ltd, (100% Subsidiary of Deepak Fertilizers and Petrochemicals Corporation Ltd. (STL-DFPCL), Pune, has successfully implemented PROJECT POSHAN. The PROJECT POSHAN was implemented in two districts of Vidarbha (Maharashtra) during the 2022-23 cotton seasons; Nagpur and Amravati. Four demonstration plots of about 0.5 acre area in two districts, two demos at Lakhori and Methapanjara villages in Katol tehsil, one demo at Ankur Seeds Private Limited, Kinhi, Nagpur district and one demo at Shri Shivaji Agricultural College, Amravati. These objectives were successfully achieved during the cotton season 2022-23. The extension tactics involved mass contact with a large number of cotton farmers in Vidarbha by using information bulletins, leaflets, and cartoon booklets. More than 1 lakh such knowledge literature was circulated amongst the stakeholders. Also, to attract them hoardings were put around project places where the farmers normally congregate. In addition, radio jingles & TV & Field interviews were organized.

#### PROJECT POSHAN CAMPAIGN

On September 10, 2022, Shri Nitinji Gadkari, Hon'ble Union Minister, for Road Transport and Highways flagged off the Poshan campaign at Center Point Hotel, Nagpur. The Campaign started with awareness program for farmers. This year the campaign was implemented in major districts of vidarbha viz. Nagpur, Amravati, Wardha, and Yavatmal. Public awareness was created through distribution of leaflets, banners and cartoon booklets, moving floats, display of hoardings and Jingles.







## Agrovision Central India's Largest Agri Summit

Agrovision Foundation organized Agrovision - Central India's Largest Agri Summit from 25 to 28 November 2022 on Dr PDKV Ground at Dhabha, Nagpur. This was 13th edition of Agrovision. Agrovision Foundation has been working for the past 13 years to establish a successful agricultural society where farmers are exposed to modern technology and where farming is a profitable and attractive business. The Theme of 13th Agrovision was Food Feed and Fuel. The event was Inaugurated by Hon'ble Shri Shivarjji Chavan, Chief Minister, Madhya Pradesh in the presence of Shri Nitinji Gadkari, Hon'ble Union Minister of Road Transport & highways, Dr. C D Mayee, Chairman of Advisory Council, Agrovision, Dr. Girish Gandhi, Convener, Agrovision and Shri Ravi Boratkar, Shri Ramesh Mankar, Organizing Secretary, Agrovision, and other Hon'ble members of the Agrovision advisory & organising committee.



### NATIONAL EXPO

The Grand National Agri Expo was spread over 25,000 Sq. mtr. The expo was visited by lakhs of farmers from Maharashtra, Chhattisgarh, Madhya Pradesh, Assam, Arunachal Pradesh, Rajasthan and from various other states. Over 350 medium and small enterprises and well-known companies from Agri field displayed their products and services in the National Agriculture Expo of Agrovision.



### WORKSHOPS

Agrovision foundation conducted 30 workshops on various topics. 54 experts from ICAR Labs, Agri universities, Govt. Dept. and Corporate sector educate the farmers by deliberating lecturer to educate farmers on new technologies, innovative ways of farming, new farming equipment and many other topics. More than 30 thousands farmers attended the workshops during the four days of the event.



### TOPICS OF WORKSHOP

Hydroponics and Aeroponics, Climate Change & farming, seed production and processing technology, Cultivation technology for economically important medical plants, Bee Keeping, Mushroom Farming, BSE Commodity Derivatives: An asset class, Goat farming, Vegetable Seed Production, and Green House Technology, Agro tourism opportunities for Vidarbha and Introduction of adventure tourism in agro tourism, Biomass Supply chain, Soil & water quality in relation to crop cultivation, Organic input, Drone technology in agriculture, Proper use of chemical dosages, Organic farming, Natural Farming and Organic Farming Terraces, Sericulture, Income opportunities in Poultry, Mechanization in Horticulture, New Technology in cotton crop, Turmeric & Ginger cultivation & Processing, Agri Finance, Climate Change –Problems & Remedies, Agri Produce marketing, Jalyukt Shivar, Group farming and Concept of FPOs. Free Agri Rural Marketing and Marketing linkage and integrated farming.



## Conferences

### Dairy Development in Vidarbha

Dairying in Vidarbha is one of the emerging sectors and helps farmers to earn additional income apart from agriculture. A dairy development conference was organized to impart knowledge on milk production, processing, animal health, and fodder management for milk quality and quantity. 4500 milk producers of Vidarbha attended this conference.



### Fisheries : Opportunities and Challenges

Vidarbha has tremendous scope for the fisheries, the availability of ponds in many parts of Vidarbha, provide ample of opportunities for fish farming. The conference was held to guide fish farmers on new technologies in fisheries, Importance of processing and marketing opportunities for processed fish. Importance of Soil and Water Quality in Fish Culture, Value Added Fish Products, Fish Seed Production and Rearing and many more areas were discussed to increase production and fish farmers' income. Success stories in the fisheries were major attraction for the farmers. The conference was very well received by the participated farmers.



### Bamboo: Production and Utilization

Bamboo is an important crop for Vidarbha and provide sustainable livelihood for the Adivasis and additional income for farmers. However, there are many other areas like construction, manufacturing paper, furniture etc. where Bamboo can be used as a raw material. Processing of Bamboo helps to generate entrepreneurship and employment for the farmers. The bamboo can also be used in protecting farming land and crops. The experts invited for the conference explained the various use of bamboo to the farmers. The conference was very well received by the participant farmers. Over one thousand farmers, Bamboo artists, craft makers and marketers attended the conference.



## Guidance Programme

### New opportunities in Agro-processing

Agrovision foundation has always mentioned value additions of agri products through its workshops and conferences for additional income for farmers. Processing of agriculture produces is one of them. The conference on various opportunities in Agro processing was organized in association with Vidarbha Economic Development Council (VED) at Agrovision foundation for the benefit of farmers, Start-ups, and other entrepreneurs. Speakers from various areas of processing participated and guided the audience. Success story from Agribiotech and agriculture shared their experiences and gave technology to the audience. The conference was organized to farmer's ways of agri- processing in the farming community.





## Doubling Orange Growers Income By Using Technology

Oranges has been one of the important fruit crops of Vidarbha and has good potential for export, processing, and inland marketing. Using advance technology in production can help farmers to get quality products. Agrovision foundation invited experts to guide farmers, also invited successful farmers to share their experiences. The focus of the guidance was on Global comparison, Soil health, micro nutrients management, Diseases and remedies, Cultivation technology, Post harvesting technologies, Marketing and Value additions etc.



## Encouraging Farmers To Start FPO

A guidance program for farmers was organized on behalf of Agrovision Foundation and experts have been invited to guide the farmers. Experts focused on many benefits of FPOs for farmers, from FPO initiation to legal aspects and the benefits and capacity building of FPOs for farmers. This guidance program received a good response from the farmers.



**AGROVISION  
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## Year -2022-23: Activities Compiled Report

Sr.No	Activity Name	Location	Date	Expert	Participant
<b>Workshops :</b>					
1	Farmers interaction on New Technology for cotton crops	Facebook Live	2nd August, 2022	01	1200
2	Workshops on Hydroponics vegetables farming	College of Agriculture, Nagpur	6th August, 2022	03	25
3	Farmers workshops on New Technology for cotton crops	KVK - Buldhana	13th August, 2022	05	100
4	Farmers workshops on New Technology for cotton crops	KVK-Wardha	11th October, 2022	05	140
5	Farmers workshops on New Technology for cotton crops	Shri Shivaji Agricultural College, Amravati	13th October, 2022	10	250
6	Farmers workshops on New Technology for cotton crops	KVK-Buldhana	2nd November, 2022	09	185
7	Farmers workshops on New Technology for cotton crops	KVK-Yavatmal	5th November, 2022	07	150

Sr.No	Activity Name	Location	Date	Expert	Participant
<b>Workshops :</b>					
1	Farmers interaction on New Technology for cotton crops	Facebook Live	2nd August, 2022	01	1200
2	Workshops on Hydroponics vegetables farming	College of Agriculture, Nagpur	6th August, 2022	03	25
3	Farmers workshops on New Technology for cotton crops	KVK - Buldhana	13th August, 2022	05	100
4	Farmers workshops on New Technology for cotton crops	KVK-Wardha	11th October, 2022	05	140
5	Farmers workshops on New Technology for cotton crops	Shri Shivaji Agricultural College, Amravati	13th October, 2022	10	250
6	Farmers workshops on New Technology for cotton crops	KVK-Buldhana	2nd November, 2022	09	180
7	Farmers workshops on New Technology for cotton crops	KVK-Yavatmal	5th November, 2022	07	150
8	Farmers workshops on New Technology for cotton crops	PDKV, Dhhbha ground, Nagpur	27th November, 2022	03	100
<b>Total</b>				<b>43</b>	<b>2150</b>

<b>Conferences :</b>					
1	2nd Outreach program on Export Potential for Agri-Crops / Fruits & Vegetables in Vidarbha	Hotel Rangoli Pearl, Amravati	17th July, 2022	08	950
2	3rd Outreach program on Export Potential for Agri-Crops / Fruits & Vegetables in Vidarbha	Hotel Center Point, Nagpur	10th September, 2022	07	500
3	Drone for Agriculture	Vanamati, Nagpur	11th September, 2022	09	350
<b>Total</b>				<b>24</b>	<b>1800</b>
<b>Total All Activities Coverage's</b>				<b>67</b>	<b>3950</b>



Sr.No	Programmes	Nos	Experts	Participant Coverage's
1	Trainings	25	59	1319
2	Yearly Workshops	36	86	16000
3	Agrovision Workshops	178	360	3,10,000
4	Yearly Conferences	13	95	9750
5	Agrovision Conferences	25	252	10500
6	Online –Workshops	12	42	4700
7	Online –Webinars	21	171	22596
8	Online –Farmers Interaction	12	56	1,22,000
9	Online – Summit	1	35	3600
10	Organizations /Company participating in the Agrovision exhibition	2050	-	-
11	Farmers Participating in Agrovision exhibition	-	-	35,80,000
12	Special Project completed	7		3600
13	Farmers Success Stories	30	-	-

## Glimpses Of Activities



Discussion on future work with APEDA



AF signed an MoU with APEDA



Agri. Minister Shri Abdulji Sattar, visiting the Drone stall



Observation of Green Boll and Moths under Project Bandhan



Scientists from ICAR-NCIPM, Pusa visiting the Project Bandhan



Interacting with farmers about PB knot technology



Shri Sharad Gadakh, VC, Dr PDKV Akola visiting the PROJECT POSHAN



AF signed an MoU with STL to implement PROJECT POSHAN



Overview of PROJECT POSHAN Meeting



Farmers visiting the PROJECT BANDHAN Cluster



Farmer workshops under PROJECT POSHAN



Hydroponics vegetable farming workshop

# AGROVISION FOUNDATION

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