



सत्यमेव जयते



ANNUAL REPORT 2022-23



Department of Agriculture & Farmers Welfare
Ministry of Agriculture & Farmers Welfare
Government of India

Chapter-6

NATIONAL BEEKEEPING AND HONEY MISSION (NBHM) /NATIONAL BEE BOARD (NBB)

6.1 Beekeeping:

Beekeeping is an agro-based activity which is being undertaken by farmers/ landless labourers in rural area as a part of Integrated Farming System (IFS). Beekeeping has been useful in pollination of crops, thereby, increasing income of the farmers/ beekeepers by way of increasing crop yield and providing honey and other high value beehive products, viz.; bees wax, bee pollen, propolis royal jelly, bee venom, etc., that serves as a source of livelihood for rural poor. Diversified agro climatic conditions of India provide great potential and opportunities for beekeeping/ honey production and export of Honey.

6.2 Schemes of DA&FW for promotion of Beekeeping:

A. National Beekeeping & Honey Mission (NBHM):

Govt. of India has approved a Central Sector Scheme entitled “**National Beekeeping & Honey Mission (NBHM)**” with total budget outlay of Rs. 500.00 crores for 3 years (2020-21 to 2022-23) under Aatma Nirbhar Bharat Announcement for overall promotion and development of scientific beekeeping and to achieve the goal of “**Sweet Revolution**” in the country by implementing 3 Mini Missions (MMs)-MM-I, MM-II & MM-III under which thrust will be given on awareness, capacity building/ trainings, focus on women empowerment through beekeeping, setting up of requisite infrastructural facilities, viz.; Integrated Beekeeping Development Centres (IBDCs), Honeybees Disease Diagnostic Labs, Setting/ upgradation of Honey Testing labs, Beekeeping Equipment Manufacturing Units, Custom Hiring Centres, Api therapy Centres, Development of Quality Nucleus Stock Centres & Bee Breeders, etc., Digitization/online registration, etc. under MM-I, processing, value addition, market support, etc. under MM-II and R&D under MM-III.

National Bee Board (NBB):

National Bee Board (NBB), a registered society under Societies Registration Act XXI of 1860 (19th July, 2000), was reconstituted under the Chairmanship of Secretary (A&C) in June, 2006. The main objective of NBB is overall development & promotion of Scientific Beekeeping in the country to increase the productivity of crops through pollination and increase the Honey production for increasing the income of the Beekeepers/ Farmers. NBB has been designated/recognized as Nodal Agency for overall development/promotion of scientific beekeeping in the country. The scheme NBHM is being implemented by NBB.

6.3 Main activities under NBHM during 2022-23:

Details of main activities implemented during the year 2022-23 under NBHM, as on date, are given as under:

- 14 project proposals of the State Govts./ Agencies/ Organizations/ Deptts./ ICAR/ CAUs/ SAUs, etc. for total assistance of Rs. 1422.96 lakhs were approved by Executive Committee (EC) of NBHM during 2022-23.
- A National Conclave on “High Altitude Honey” was organized on 06.04.2022 under the Chairmanship of Additional Secretary (AL), DA&FW in collaboration with National Agricultural Cooperative Marketing Federation of India Limited (NAFED).
- A National Conclave on ‘Wild and Forest Honey’ was organized on 28.04.2022 under the Chairmanship of Additional Secretary (AL), DA&FW in collaboration with Tribal Cooperative Marketing Development Federation of India Limited (TRIFED).
- World Bee Day (WBD) was celebrated under

the gracious presence of Hon'ble Minister of Agriculture & Farmers Welfare, Govt. of India on 20.05.2022 at Statue of Unity, Gujarat.

- A workshop on “Export Potential of Honey & other Bee-hive products” was organized on 30th August, 2022 in gracious presence of Dr. Abhilaksh Likhi, Additional Secretary, DA&FW at VAMNICOM, Pune, Maharashtra.
- A National Workshop on “Role of Agri Start-ups in Honey Value Chain” was organized 22nd September, 2022 under the Chairmanship of Addl. Secretary (AL), DA&FW at NSRTC, Varanasi.
- Participated in तृतीय ग्रामोदय मेला तथा सरदोस्त्व- a Regional Agriculture Fairs in Chitrakoot, Madhya Pradesh from 9th to 12th October, 2022.
- Participated in Krishi Mela and Agri Exhibition held in Morena, Madhya Pradesh from 20th to 22th October, 2022.
- Meeting for promoting and funding of Honey Startups under NBHM was held under the chairmanship of Additional Secretary (AL), DA&FW on 27th October, 2022.
- A National workshop on "Potential of Honey Sector in Western Ghats was organized at Kanyakumari, Tamil Nadu on 29th December, 2022.
- Participated in “Krishi-Mahotsav: Pradarshani evam Prashikshan” held in Kota Rajasthan from 24th to 25th January, 2023.
- 13,285 Beekeepers/Beekeeping & Honey Societies/ Firms/ Companies with 20.05 lakhs honeybee colonies registered with NBB and uploaded on “Madhukranti Portal” upto January, 2023.
- Orientation Workshops/ Video Conferences for States/ UTs and other Stakeholders for effective implementation of NBHM scheme and registration on “Madhukranti” Portal have been organized time to time.
- 3 World Class State of the Art Honey Testing Labs have been set up under NBHM: **(i)** at NDDDB, Anand, Gujarat. The Lab has been accredited by NABL and has started testing of honey samples, **(ii)** Labs at IARI, Pusa, New Delhi completed and **(iii)** Indian Institute of Horticultural Research (IIHR), Bengaluru, Karnataka is under process of establishment.
- 27 Mini Honey Testing Labs have been sanctioned under National Beekeeping & Honey Mission (NBHM) in the states of Arunachal Pradesh (1), Bihar (1), Haryana (1), Chhattisgarh (1), Gujarat (2), Karnataka (4), Madhya Pradesh (2), Maharashtra (1), Rajasthan (1), Jammu & Kashmir (4), Kerala (1), Odisha (1), Uttarakhand (1), Uttar Pradesh (2), Telangana (1), West Bengal (2) and Himachal Pradesh (1). Out of 25 labs, 6 labs at J&K (3), Karnataka (1), Uttar Pradesh (1) & Maharashtra are set up and working.
- Under the scheme of “Formation of 10,000 FPOs”, 100 FPOs of Beekeepers/ Honey Producers are allotted to TRIFED (14 nos.), NAFED (60 nos.) and NDDDB (26 nos.) for implementation of activities under NBHM. Thus, out of total 105 FPOs allotted to NBB, 80 FPOs of Beekeepers/ Honey Producers have been registered/ formed till date.
- A Book on “Sweet Revolution” was launched by Hon'ble Minister of Agriculture & Farmers Welfare, Govt. of India on the occasion of World Bee Day celebrated at Statue of Unity, Gujarat on 20.05.2022.

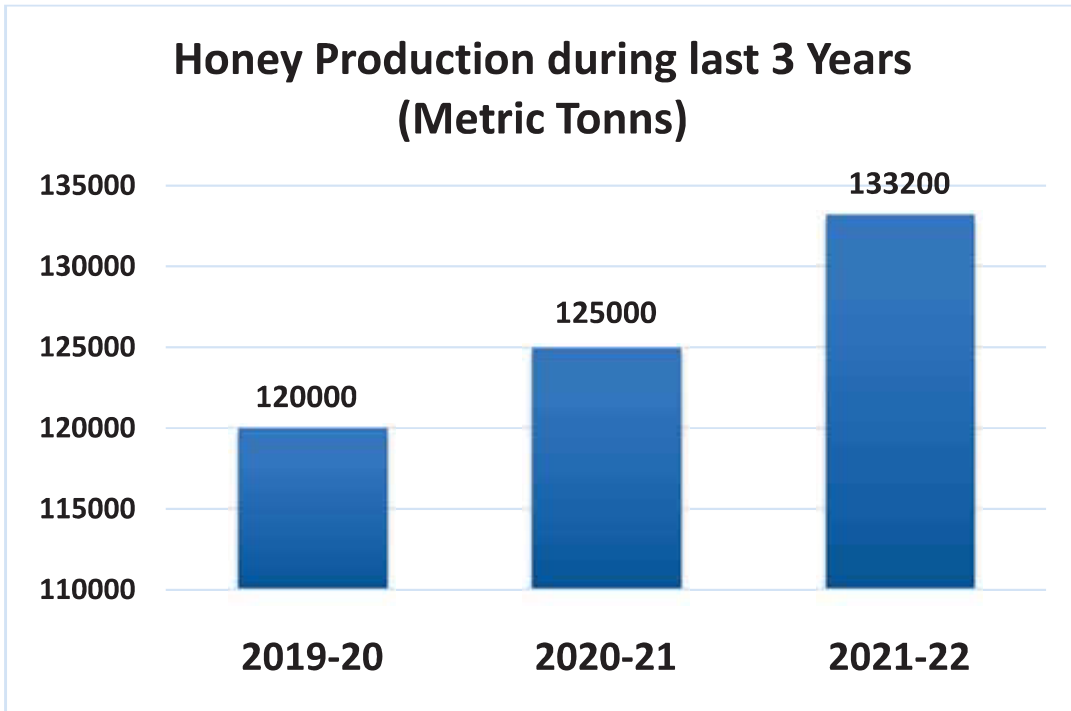
6.4 Main achievements of NBB in beekeeping/ honey production:

The main achievements of NBB in beekeeping/ honey production since its inception in 2006 are summarized as under:

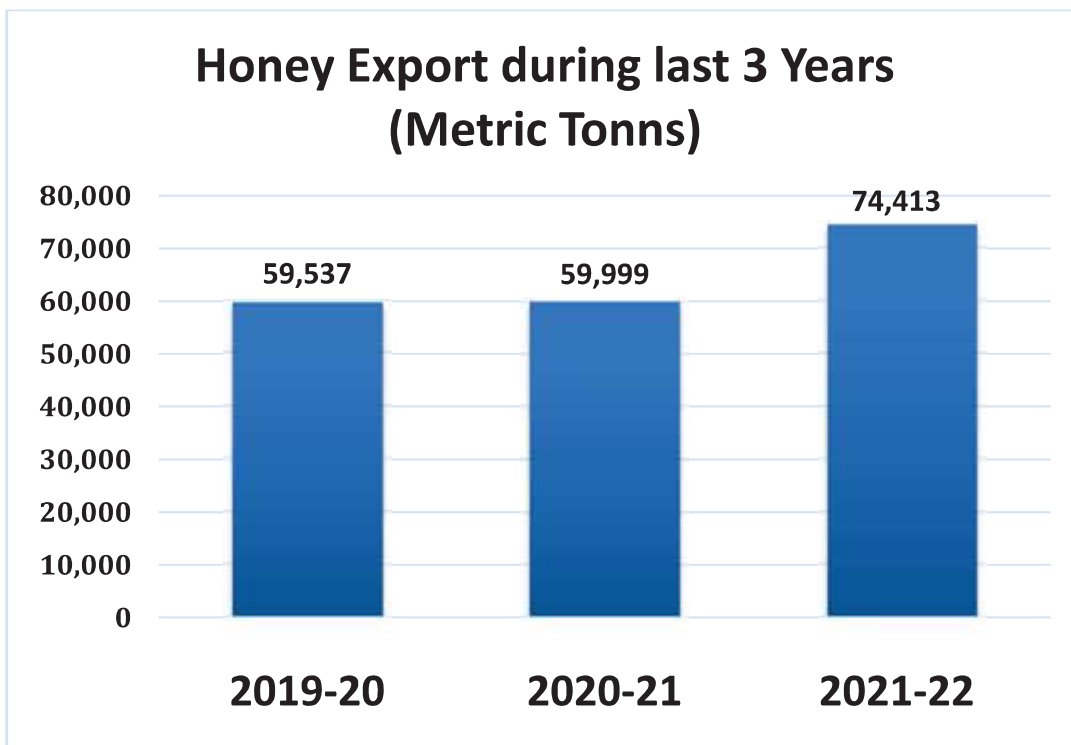
- India is producing about 1,33,200 Metric tonnes of Honey (2021-22 2nd advance estimate).
- The country has exported **74,413 MT** of Honey

to the world for the worth of Rs. 1221.17 Crores during the year of 2021-22. (source: APEDA)

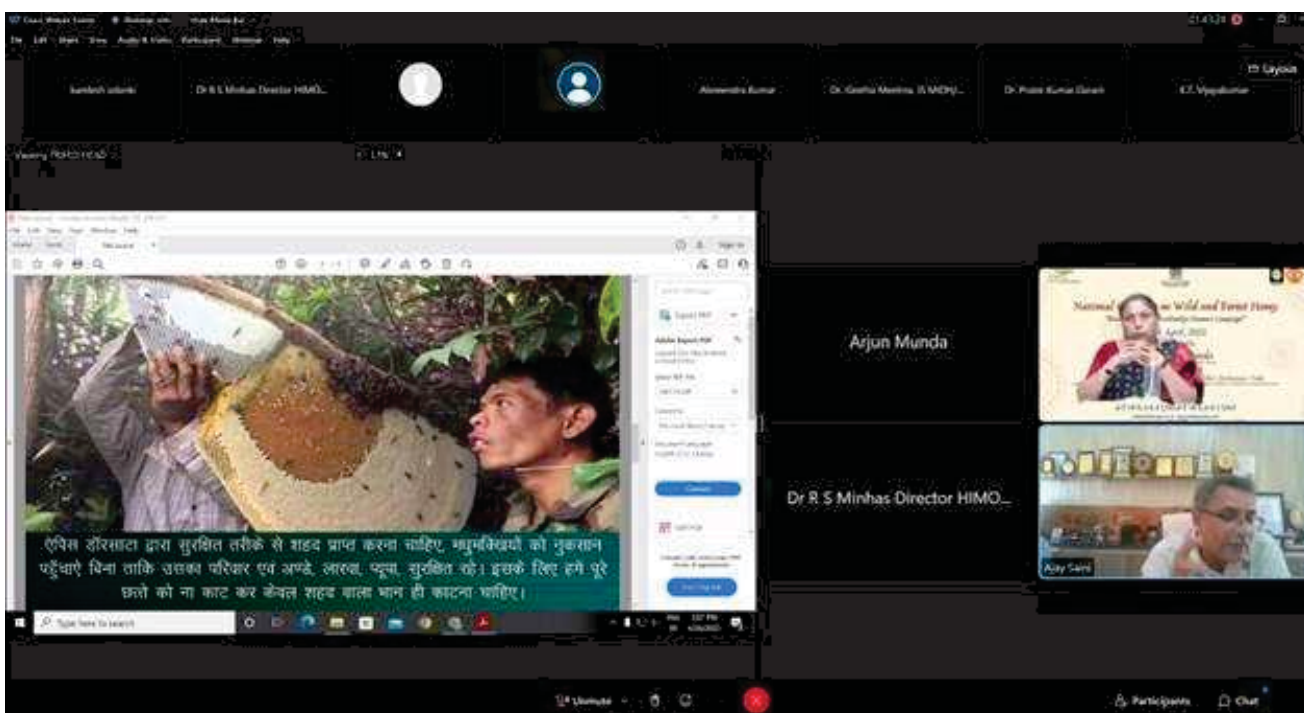
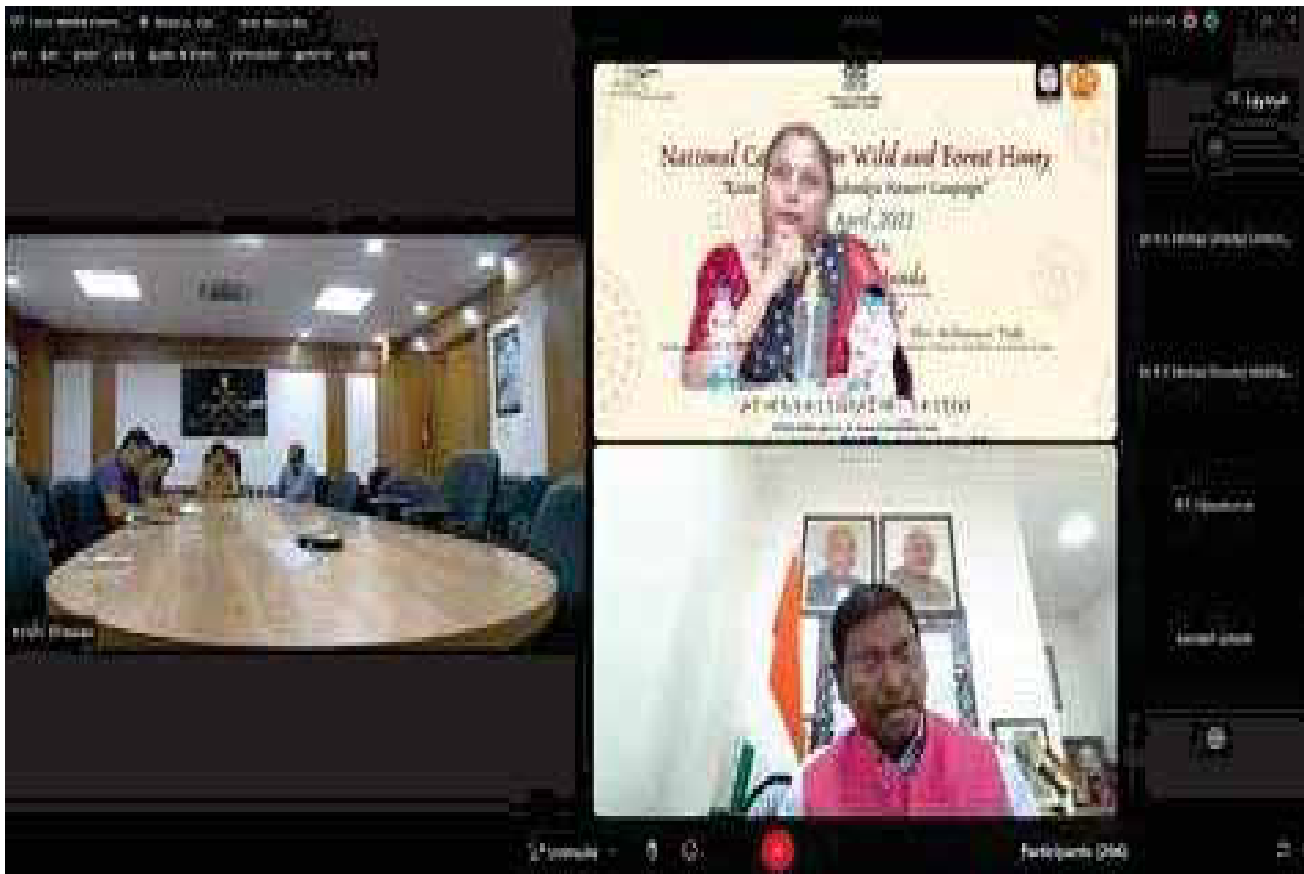
- Four training modules, viz.; (i) basic training on beekeeping (ii) training on scientific beekeeping (iii) training on post-harvest management, processing, etc. & (iv) training on production of high value beehive products viz.; royal jelly, pollen, propolis, bee venom, bees wax, bee bread, etc. prepared & circulated to all the stakeholders including ICAR, SAUs, State Govts., KVIC, etc. for trainings in beekeeping.
- To boost the agricultural production through pollination enhancement in crops in sustainable manner in the country, Department of Agriculture & Farmers Welfare, GOI has decided to treat Beekeeping/ Honeybees as an Input in Agriculture.
- 16 Integrated Beekeeping Development Centres (IBDCs) as role model of beekeeping have been commissioned, one each in the States of Haryana, Delhi, Bihar, Punjab, Madhya Pradesh, Uttar Pradesh, Manipur, Uttarakhand, Jammu & Kashmir, Tamil Nadu, Karnataka, Himachal Pradesh, West Bengal, Tripura, Andhra Pradesh and Arunachal Pradesh.
- Advisories on Good Beekeeping Practices (GBPs) published & circulated to all State Govts. & concerned Agencies/ Stakeholders.
- Projects for Integrated Development of Scientific Beekeeping (IDSB) on Cluster/ Area/ District development approach for enhancing the crop productivity & income of farmers/ beekeepers and generating employment in rural areas formulated/ implemented.
- Designed technical standards for food grade plastic containers for storing honey, which helped in minimizing the problem of presence of lead in honey.
- Standards of Honey, Bees Wax & Royal Jelly notified by FSSAI.
- Prepared 5 years Vision Document for overall development of beekeeping.
- Requested Ministry of Finance and NABARD for instructing the financial institutions for financing beekeeping activities by providing credit limits/ Kisan credit cards etc. In pursuance to this, NABARD has already directed all commercial banks to finance beekeeping on priority basis.
- National Bee Board is also promoting beekeeping and marketing of honey to explore the possibilities for utilizing milk routes/ NDDDB's infrastructure/ cooperative network in the field.
- Honey & other beehive product Processing Lab sanctioned under NBHM at Kamrup, Assam was inaugurated by Hon'ble Minister of Agriculture & Farmers Welfare, GoI on 04.10.2021.
- In pursuance to NBB, **Beekeeping Development Committee (BDC)** under the Chairmanship of Dr. Bibek Debroy, Chairman EAC to PM, was constituted with seven members, including ED, NBB to take lead in promoting & coordinating activities involved in Beekeeping Industry so that "**Sweet /Golden Revolution**" in the Country may be achieved.



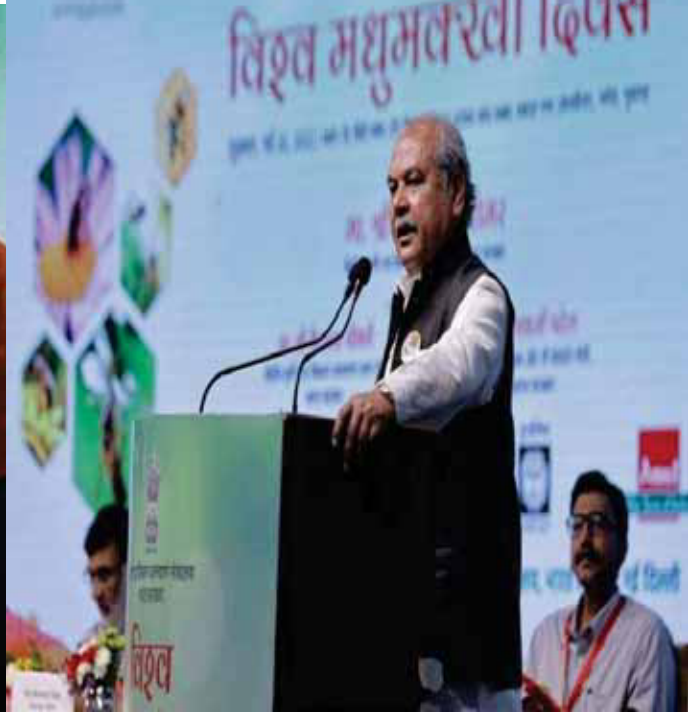
Production of Honey during last 3 years (2019-20 to 2021-22)



Export of Honey during last 3 years (2019-20 to 2021-22)



National Conclave on 'Wild and Forest Honey' organized on 28.04.2022 under the Chairmanship of Additional Secretary (AL), DA&FW in collaboration with Tribal Cooperative Marketing Development Federation of India Limited (TRIFED)





World Bee Day (WBD) celebrated by National Bee Board (NBB) under the gracious presence of Hon'ble Minister of Agriculture & Farmers Welfare, GOI on 20.05.2022 at Statue of Unity, Gujarat.



Virtual inauguration of Honey and other beehive product testing lab by Hon'ble Minister of Agriculture and Farmers Welfare, Govt. of India at ICAR- Indian Institute of Horticultural Research (IIHR), KVK, Hirehalli, Tumakuru, Karnataka sanctioned under National Beekeeping and Honey Mission (NBHM) on 20th May, 2022



Virtual inauguration of Honey and other beehive product testing lab by Hon'ble Minister of Agriculture and Farmers Welfare, Govt. of India at Hi-Tech Natural Products India Limited, Saharanpur, Uttar Pradesh sanctioned under National Beekeeping and Honey Mission (NBHM) on 20th May, 2022



Virtual inauguration of Honey and other beehive product testing lab by Hon'ble Minister of Agriculture and Farmers Welfare, Govt. of India at Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST)- Jammu sanctioned under National Beekeeping and Honey Mission (NBHM) on 20th May, 2022



Virtual inauguration of Honey and other beehive product testing lab by Hon'ble Minister of Agriculture and Farmers Welfare, Govt. of India at Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST)- Kashmir sanctioned under National Beekeeping and Honey Mission (NBHM) on 20th May, 2022



Workshop on "Export Potential of Honey & other Bee-hive products" organized on 30th August, 2022 in gracious presence of Dr. Abhilaksh Likhi, Additional Secretary, DA&FW at VAMNICOM, Pune, Maharashtra.



National Workshop on “Role of Agri Start-ups in Honey Value Chain” was organized 22nd September, 2022 under the Chairmanship of Addln. Secretary (AL), DA&FW at NSRTC, Varanasi



7 Days Training on Scientific Beekeeping conducted by Tamil Nadu Horticulture Development Agency, Govt. of Tamil Nadu at Sankarapuram Block from 2nd to 6th June, 2022 under National Beekeeping and Honey Mission (NBHM)



7 Days Training on Scientific Beekeeping conducted by Navsari Agricultural University (*NAU*), Gujarat at Navsari from 20th to 26th January, 2023 under National Beekeeping and Honey Mission (NBHM)



2 Days District Level Seminar on Scientific Beekeeping conducted by Tamil Nadu Agriculture University (TNAU) at Coimbatore, Tamil Nadu from 1st to 2nd February, 2023 under National Beekeeping and Honey Mission (NBHM)



Department of Agriculture & Farmers Welfare
Ministry of Agriculture & Farmers Welfare
Government of India
Krishi Bhawan, New Delhi-110001
www.agricoop.nic.in