

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 3327
TO BE ANSWERED ON 16TH MARCH 2021

Development of New Coconut Varieties

3327. Dr. BHARATIBEN DHIRUBHAI SHIYAL
SHRI THOMAS CHAZHIKADAN:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the detailed programmes/schemes for development of coconut cultivation/production in the country;
- (b) the annual production of coconut in the country as on date, State-wise;
- (c) whether new varieties of coconut have not been developed in a long time and if so, the reasons therefor;
- (d) the initiatives of Coconut Development Board for promoting value added products from raw coconut across the country and the details thereof;
- (e) the detailed programmes of the Government/Coconut Development Board for providing better marketing facilities to coconut farmers;
- (f) the steps being taken/proposed to be taken to enhance coconut production in Gujarat; and
- (g) the details of the total production of coconut in the country during the last three years and the current year, State-wise?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a): Schemes/programmes for Coconut cultivation/production are implemented by Coconut Development Board (CDB) under the Mission for Integrated Development of Horticulture (MIDH). Details of the major programmes/schemes implemented by CDB are as under:-

1. Production and Distribution of Quality Planting Material
 - (i) Establishment of Demonstration cum-Seed Production Farms
 - (ii) Establishment of Regional Coconut Nurseries
 - (iii) Establishment of Nucleus Coconut Seed Garden
 - (iv) Establishment of Small Coconut Nurseries
2. Expansion of Area under Coconut
3. Integrated Farming for productivity improvement
 - (i) Laying out of Demonstration Plots
 - (ii) Aid to Organic Manure Units
4. Technology Demonstration/Quality Testing Lab
5. Marketing, market Intelligent services, Statistics and Strengthening of Export Promotion Council
6. Information & Information Technology
7. Technology Mission on Coconut
8. Rejuvenation and Replanting
9. Coconut Palm Insurance Scheme
10. Kera Suraksha Insurance Scheme

(b): The State-wise annual production of coconut in the country from 2016-17 to 2019-20(2nd Adv. Estt.) is at **Annexure-I**.

(c): New varieties of coconut are regularly being released by the ICAR Institutes – Central Plantation Crops Research Institute, Central Island Agricultural Research Institute, State Agriculture/ Horticulture Universities etc.

Out of total 46 improved varieties/ hybrids released so far by the above institutes, 18 have been released since 2009.

The list of varieties/ hybrids released so far is at **Annexure-II**.

(d): The Technology Mission on Coconut was sanctioned during the financial year 2001-02 with the objectives of (a) development of technology for new value added coconut products and by-products by research and bring these value added products to commercial production by assisting to promising entrepreneurs (b) providing assistance for the controlling of specific disease/pest in any specific area including development of technology for controlling of specific disease/pest to ensure uninterrupted supply of raw materials to the coconut industry for the production of value added products and by products (c) develop and promote market for such newly developed value-added products and by-products including traditional products (ball copra, copra and oil) by research, surveys and brand promotion.

Several new technologies/ innovative products have been developed under this Mission and 514 units for processing coconut for value addition have been assisted so far, which helped in enhancing the market potential for coconut products both in domestic and international markets and in controlling and stabilising market prices of raw coconuts for providing competitive and remunerative prices to the farmers.

The processing sector of coconut in India moved from the traditional products of copra, coconut oil and desiccated coconut to a variety of diverse food products like virgin coconut oil, packed tender coconut water, coconut milk, coconut milk powder, frozen grated coconut, coconut chips, coconut vinegar etc. The by-product utilization in terms of utilization of coconut shell proved the most promising with products like coconut shell charcoal, coconut shell powder and other products. Activated carbon from coconut shell charcoal is aptly termed Gold from Scrap since it has turned out to be the coconut product exported in huge quantities.

(e): The CDB undertakes market promotion activities for the development of the coconut sector in the country and the industry. The major activities comprise of Market Promotion, Market Intelligence, Market Research, Market Development, formation of three tier FPOs viz., Coconut Producer Societies (CPSs), Federation of Coconut Producers' Societies (CPFs), Coconut Producer Companies, and performing the responsibilities of Export Promotion Council (EPC) and other enabling policies. Financial assistance at the rate of 50% subsidy subject to a maximum of Rs. 1.50 lakh is provided for setting up of sales outlets/ kiosks for value added coconut products. Financial assistance upto Rs. 1.50 lakh (50 % of the project cost) is also extended to FPOs for establishment of 'Coconut Procurement Centre'

CDB as EPC provides services such as securing benefits under Merchandise Export from India for products from the coconut sector, facilitating participation of exporters from coconut sector in International Trade Fairs, disseminating important trade information, providing commercially useful information and assistance to exporters in developing and increasing their exports, organizing seminar, conference and buyer seller meet etc.

Collection, classification, compilation, analysis and interpretation of primary as well as secondary data pertaining to area and production of coconut, market price, weather, import and export of coconut products, etc. and dissemination of information to farmer community through print media, etc. are also being undertaken regularly as part of Statistics related to coconut.

(f): The CDB is implementing the programmes in Gujarat in association with the Department of Horticulture, Govt. of Gujarat. Annual targets have been allocated considering the proposals received from the State Government and Central assistance are released as per the norms under MIDH. The CDB is also implementing schemes directly in the State. During the year 2020-21, a Central assistance of Rs. 63.62 lakh was allocated for normal schemes including extension activities.

(g): The State-wise details of total production of coconut in the country during 2016-17 to 2019-20 (2nd Advance Estimate) are at **Annexure-I**.

State-wise annual production (no. of nuts in million) of coconut in the country from 2016-17 to 2019-20

| S. No. | State/ UT | 2016-17 | 2017-18 | 2018-19 | 2019-20 (2nd Adv. Estt.) |
|--------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| 1 | Kerala | 7448.65 | 8452.05 | 7683.55 | 7777.80 |
| 2 | Tamil Nadu | 6570.63 | 6020.41 | 5370.39 | 5379.57 |
| 3 | Karnataka | 6773.05 | 6273.79 | 4947.74 | 4770.44 |
| 4 | Andhra Pradesh | 1377.53 | 1396.89 | 1567.60 | 1587.75 |
| 5 | West Bengal | 374.56 | 377.65 | 384.17 | 390.83 |
| 6 | Odisha | 341.68 | 341.71 | 286.20 | 342.06 |
| 7 | Gujarat | 336.65 | 241.16 | 259.57 | 259.57 |
| 8 | Maharashtra | 198.85 | 127.92 | 208.93 | 208.93 |
| 9 | Assam | 153.27 | 168.21 | 182.78 | 194.46 |
| 10 | Bihar | 141.09 | 76.68 | 78.12 | 78.40 |
| 11 | Tripura | 32.23 | 31.93 | 18.37 | 18.38 |
| 12 | Chhattisgarh | 08.77 | 10.92 | 10.93 | 13.99 |
| 13 | Nagaland | 02.67 | 09.44 | 09.02 | 9.02 |
| 14 | Telangana | 02.09 | - | 05.59 | - |
| 15 | Arunachal Pradesh | - | - | 00.30 | - |
| 16 | Mizoram | - | - | 00.15 | - |
| 17 | Others * | 142.38 | 269.47 | 274.83 | 277.21 |
| | All India (Total) | 23904.10 | 23798.23 | 21288.24 | 21308.41 |

* Figures not separately mentioned may be treated as negligible/ added in 'Others'

Source: Ministry of Agriculture and Farmers Welfare, Govt. of India

List of Coconut varieties/ hybrids released from various Research Institutions

| S No | Variety | Agency released | Year of release |
|----------------|-------------------|-------------------|-----------------|
| Hybrids | | | |
| 1 | VHC-1 | TNAU | 1982 |
| 2 | Chandra Sankara | CPCRI | 1985 |
| 3 | Chandra Laksha | CPCRI | 1985 |
| 4 | VHC-2 | TNAU | 1988 |
| 5 | Laksha Ganga | KAU | 1989 |
| 6 | Kera Ganga | KAU | 1989 |
| 7 | Ananda Ganga | KAU | 1989 |
| 8 | KeraSankara | CPCRI | 1989 |
| 9 | Godavari Ganga | YSRHU | 1991 |
| 10 | KeraSree | KAU | 1992 |
| 11 | KeraSowbhagya | KAU | 1993 |
| 12 | VHC-3 | TNAU | 2000 |
| 13 | KonkanBhatye CH-1 | AICRP Palms-BSSKV | 2007 |
| 14 | KalpaSamrudhi | CPCRI | 2009 |
| 15 | KalpaSankara | CPCRI | 2009 |
| 16 | Vasista Ganga | AICRP Palms-YSRHU | 2013 |
| 17 | KalpaSreshta | CPCRI | 2014 |
| 18 | Goutami Ganga | YSRHU | 2017 |
| Talls | | | |
| 19 | Chandrakalpa | CPCRI-AICRP Palms | 1985 |
| 20 | Prathap | BSSKV | 1987 |

| S No | Variety | Agency released | Year of release |
|---------------|-------------------------|------------------------|-----------------|
| 21 | Veppankulam-3 (VPM-3) | TNAU | 1994 |
| 22 | Kerachandra | CPCRI | 1995 |
| 23 | Kamrupa | AICRP-Pams-AAU | 2001 |
| 24 | Aliyar Nagar -1 (ALR 1) | TNAU | 2002 |
| 25 | KeraSagara | KAU | 2006 |
| 26 | KeraKeralam | AICRP-Palms- CPCRI | 2007 |
| 27 | KeraBastar | AICRP Palms-IGKV | 2007 |
| 28 | Kalyani Coconut-1 | AICRP Palms-BCKV/CPCRI | 2007 |
| 29 | KalpaPratibha | CPCRI | 2007 |
| 30 | KalpaDhenu | CPCRI | 2007 |
| 31 | KalpaMitra | CPCRI | 2007 |
| 32 | Kalpatharu | AICRP Palms-CPCRI | 2009 |
| 33 | KalpaHaritha | CPCRI | 2012 |
| 34 | KeraMadhura | KAU | 2013 |
| 35 | KalpaShatabdi | CPCRI | 2016 |
| 36 | KalpaRathna | CPCRI | 2019 |
| Dwarfs | | | |
| 37 | Chowghat Orange Dwarf | CPCRI | 1991 |
| 38 | Kalparaksha | CPCRI | 2007 |
| 39 | Kalpasree | CPCRI | 2009 |
| 40 | Kalpa Surya | CPCRI | 2012 |
| 41 | KalpaJyothi | CPCRI | 2012 |
| 42 | ALR-3 | TNAU | 2012 |
| 43 | CARI-C1 (Annapurna) | CARI | 2013 |

| S No | Variety | Agency released | Year of release |
|-------------|-------------------|------------------------|------------------------|
| 44 | CARI-C2 (Dhan) | CARI | 2013 |
| 45 | CARI-C3 (Omkar) | CARI | 2013 |
| 46 | CARI-C4 (Chandan) | CARI | 2013 |
