



Udyanpalan Barta

quarterly Newsletter by FPI&H Department



**An initiative to give regular focus on
success & achievement of Departmental activities**

From the desk of ACS, FPI&H Department

I am very happy to introduce the quarterly magazine of the Department of Food Processing Industries & Horticulture titled "Udyanpalan Barta".

West Bengal is one of the leading states in horticulture and it speaks volume for the entrepreneurial capacity of farmers in West Bengal, that the state is the leading producer of vegetables and one of the principal producers of fruits. The job of the Department of Food Processing Industries & Horticulture is to supplement these individual efforts by way of providing both technology as well as funding so that the farmers can adopt more modern technology, Good Agricultural Practices (GAP) and produce more and produce better.

In the past few months many new initiatives have been taken by the department to encourage horticulturists across the state. The popularization of onion cultivation in Kharif season, cultivation of lily and cymbidium orchids in the hills, introduction of many new varieties of fruits, encouraging horticulturists in the hills to set up their own greenhouses are a few notable programmes. Many of these initiatives are worthy of emulation in other parts of the state.

The "Udyanpalan Barta" has been conceived with the principal objective to disseminate among horticulture community, Good Agriculture Practices and success stories from around the state, I expect the "Udyanpalan Barta" to fill a critical void in the area of horticulture knowledge collation and dissemination in the state.

Subrata Gupta

মুখবন্ধ

সুজলা সুফলা বাংলা উদ্যানজাত ফসল উৎপাদনে সারা দেশে অগ্রণী। সবজি উৎপাদনে পশ্চিমবঙ্গ ভারতের মধ্যে শীর্ষস্থান অধিকার করে। এছাড়াও বিভিন্ন ফল, ফুল, মশলা, ঔষধি ও সুগন্ধী উদ্ভিদ চাষেও পশ্চিমবঙ্গের স্থান সারা দেশের মধ্যে অগ্রগণ্য।

পশ্চিমবঙ্গকে খাদ্য প্রক্রিয়াকরণ শিল্প এবং উদ্যানপালন প্রযুক্তিতে আরও এগিয়ে নিয়ে যাওয়ার জন্য পশ্চিমবঙ্গ সরকারের খাদ্য প্রক্রিয়াকরণ শিল্প ও উদ্যানপালন দপ্তর অনেক নতুন নতুন পরিকল্পনা গ্রহণ করেছে। নতুন পৈয়াজ নীতির দ্বারা অসময়ে পৈয়াজ চাষ এবং পৈয়াজ সংরক্ষণের মাধ্যমে নতুন পস্থা নির্ধারণ করার উদ্যোগ নেওয়া হয়েছে। 'প্লাগ এন্ড প্লে মডেল' এর মাধ্যমে সরকারী খামারে ও 'নিজে করো প্রচেষ্টা'-র মাধ্যমে হিমালয় ও তরাই অঞ্চলে উদ্যানজাত ফসলের সুরক্ষিত চাষের ব্যাপক সম্প্রসারণের চেষ্টা করা হচ্ছে।

এই সমস্ত প্রচেষ্টাকে মানুষের আরও দৃষ্টিগোচরে আনার জন্য খাদ্য প্রক্রিয়াকরণ শিল্প ও উদ্যানপালন দপ্তরের নবতম প্রচেষ্টা একটি ত্রৈমাসিক সাময়িকীর মাধ্যমে প্রযুক্তিগুলি ও সাফল্য কাহিনীগুলিকে সমন্বিত করা। এই উপলক্ষ্যে এই দপ্তরের ত্রৈমাসিক সাময়িকী হিসাবে 'উদ্যানপালন বার্তা'-র শুভ পথ চলা শুরু হল।

এই সাময়িকীতে আমরা প্রকাশ করব খাদ্য প্রক্রিয়াকরণ শিল্প ও উদ্যানপালনের বিভিন্ন প্রযুক্তি, ঔষধি গাছ চাষ ও নিষ্কাশনের প্রযুক্তি এবং এই বাংলার কোনায় কোনায় ছড়িয়ে থাকা সাফল্যের কাহিনীগুলি। এতে আরও প্রকাশিত হবে এই দপ্তরের কাজ-কর্মের রূপরেখা এবং ভবিষ্যৎ কর্মপন্থা।

চাষীভাই, উদ্যোগী শিল্পপতি এবং শাখের বাগানীদের কাছে আমাদের এই প্রচেষ্টা তাদের কাজের জন্য সহায়ক হয়ে উঠবে, এই প্রত্যাশাসহ -

স্বপ্না

Gerbera Cultivation in Hi tech poly house – A great success in Jhargram



The success story of Sri. Manmatha Nath Mahata shows how gerbera cultivation in polyhouse can enhance income of the farmers.

Sri Manmatha Nath Mahata, aged 70 years is a resident of Shimulpal Village, Jhargram District. He was a farmer but the income from Agriculture was not enough to sustain his family for more than six month. He attended a training programme conducted by District Horticulture Office, Jhargram which was held in Belpahari, Jhargram. The training was under MIDH about different types of flower cultivation in open field and protected structure (Hi-tech poly house). He acquired technical knowledge about cultivation of gerbera in poly house through training in detail and he decided to start protected cultivation of gerbera by utilizing the subsidy given by the government and also did some personal investment.



Under the supervision of District Horticulture Office, Jhargram he started gerbera cultivation and presently he is cultivating five varieties of gerbera with yellow, red, pink, orange & white inside Hi-tech Poly House under MIDH Scheme and getting a yield of 18000 flowers per month with an average cost of Rs. 3-4/- per flower. At present his gross annual income is near about Rs. 8, 64,000/-.

This project not only enhanced the income of farmer but also created employment for some other persons too. One of the sound reasons for his success is Government assistant of 50% subsidy, skill training before start of cultivation and also his own motivation and confidence to do something better.

This fact is a successful example of gerbera cultivation and may inspire many other farmers in near future.



SUCCESS REPORT OF

DIRECTORATE OF CINCHONA AND OTHER MEDICINAL PLANTS

- ❖ Directorate of Cinchona and Other Medicinal Plants has been annually increasing 90 to 100 acres area under Cinchona using the best clones and so far 910 acres is covered. Further, to encourage farmers for commercial cultivation of medicinal and aromatic plants, the Directorate has taken up commercial cultivation of following medicinal plants on pilot scale in farmer's field.
 - a) Chirata in 15 acres with 10 farmers at Lalung Busty, Rangli Rangliot Block.
 - b) *Ocimum sanctum* in 5 acres with 11 farmers at Mathum Goan, Rangli Rangliot Block.
 - c) *Piper longum* in 5 acres with 13 farmers at Rolak Busty, Kurseong Block.
 - d) Stevia in 10 acres with 23 farmers at Suruk, Kalimpong Block I.
 - e) *Aloe vera* in 10 acres with 40 farmers at Sittong-I, Kurseong Block.
 - f) *Mentha arvensis* in 11 acres with 23 farmers at Sittong-II, Kurseong Block.
 - g) *Rauvolfia serpentine* in 10 acres with 20 farmers at Lower Chisang, Gorubathan Block III.
 - h) Asparagus in 10 acres with 20 farmers at Santuk Busty, Algarah Block II.
 - i) *Withania somnifera* in 5 acres with 20 farmers at Samalbung, Kalimpong Block I.
 - j) *Androsgraphis paniculate* in 5 acres with 15 farmers at Gorubathan, Kalimpong Block III.
 - k) *Alpine galangal* in 5 acres with 19 farmers, Ngassay Goan, Kalimpong Block I.
 - l) *Pogostemon cablin* in 5 acres with 14 farmers at Purbong Busty, Kalimpong-I.

These farmers are given technological backstopping for cultivation and marketing of their produce. Total financial implication: Rs. 0.98 crores.

- ❖ Directorate of Cinchona and Other Medicinal Plants (DCOMP) had initiated pilot scale cultivation of Coffee (Arabica) variety "Chandragiri", which shown a great success and with the success of this trial, GTA decided to go for development of a brand named "Kalimpong Coffee" like Darjeeling Tea in 2018. 1193 farmers across Kalimpong District were selected and 349.07 acre was covered. These plants started bearing fruits from this year. It was a herculean task but we have done it taking help from Agriculture and Horticulture Departments. Directorate has also initiated the processing of coffee and both roasted beans and filter coffee is produced which are sold through Biswa Bangla outlets. Total financial implication was Rs. 1.73 crores. This year 500 more farmers are willing to join the project and they will be given assistance through MGNREGA.
- ❖ Commercial cultivation of cymbidium orchid was initiated by DCOMP in 2010 at Govt. Cinchona Plantation, Mungpoo. It was further expanded and improved. With the success of this project, Government took initiative to help farmers in 2017-18 and 2018-19. Now, 163 farmers are involved in commercial cultivation of cymbidium orchid for cut flower production. Total financial implication was Rs. 4.675 crores. This year also 62 will be supported for commercial cultivation of cymbidium orchids with Government Support.

Initiation of “Kalimpong Coffee” Project



Construction of Poly house in farmer's field for cultivation of Cymbidium Orchids



Kharif Onion cultivation in Paschim Medinipur

Paschim Medinipur is such a district located at western part of West Bengal have relatively less fertile soil and is scarce in rainwater as compared to other parts of the state. The cultivation of traditional agricultural crops as well as horticultural crops is done simultaneously.



The Project - cultivation of Kharif Onion was carried out by the Department of Food Processing Industries & Horticulture in different blocks of Paschim Medinipur such as Narayangarh, Dantan-II, Debra, Sabang, Garhbeta-I, Garhbeta-II , Kharagpur-I, Salboni etc. with the intent to increase farmer's income, to become self sufficient in production so that the requirement can be fulfilled, to reduce the price hike after the month of September and lastly to improve farmer's socio - economic status and livelihood.



Various kinds of assistance were provided to the farmers and beneficiaries such as provision of elite high-yielding onion seeds at a reduced cost as compared to market price. Intensive training to farmers has been provided including Technology Demonstration and Publication of Training materials in local language.

A total area of 131.468 Ha in different blocks covering 995 beneficiaries was taken up for the year 2015-2016 to 2018-2019.

Impact

Cultivation of Kharif onion in the uplands of this district created a source for income generation for farmers. The market price remains high during September to March-April. So, cultivation of this vegetable is expected to be profitable. This helps in employment opportunities for local people and in improvement of nutritional profile of the beneficiary families.





Mix Fruit Orchard – A Successful initiative in Horticulture Sector at Purulia

The Scheme was taken up by Manika Mandal, resident of Iloo Village under Iloo - Jargo Gram Panchayet of Jhalda-I Block in Purulia District.



She was with some barren land and was interested to make it productive so that she could earn money to fulfill the requirements of her family to some extent.

She contacted District Horticulture Office for the purpose and after necessary approval total 495 Nos. (Mango - 200 Nos., Guava - 75 Nos., Acid Lime - 70 Nos., Sweet Orange - 50 Nos., Pomegranate - 50 Nos., Ber - 50 Nos.) of saplings were planted under that scheme. The said saplings were provided from the Department of FPI&H. Also, a Dug-well and two Pits of Vermi - compost constructed with financial help of the Department of FPI&H.

Total 18 Nos. of household were engaged in that project and survival rate of saplings is very good. All saplings are well irrigated, nourished and grown up. The beneficiary is also doing some inter-crop cultivation of various seasonal vegetables like Brinjal, Chili, Turmeric, etc. in that orchard & approximately Rs. 25000.00/- (Rupees Twenty-five thousand) is being earned by her per year.



It is anticipated that from the 5th year from the construction of the orchard beneficiary will earn approx. Rs. 40,000.00/- (Rupees Forty Thousand) per year by selling the fruits.

Bengal Mango Mela



The 8th edition of 'Bengal Mango Mela' 2022 was organized by the Department of Food Processing Industries & Horticulture in collaboration with the Office of the Principal Resident Commissioner, Govt. of West Bengal, New Delhi. It was held at Handloom Haat, Janpath, and New Delhi from 16th June to 15th July, 2022.

The main objective of holding this event is to establish the Brands of Bengal Mangoes and to facilitate marketing of the same beyond the boundaries of the state. These mango varieties of West Bengal have unique and magical taste, flavour and other good characteristics. The Department of Food Processing Industries and Horticulture, Govt. of West Bengal have taken a good initiative to promote native varieties not only in India but also in foreign countries for the wellbeing of the mango growers and merchants of the State.



Major mango producing districts of the state viz. Malda, Murshidabad, Nadia, Hooghly, North 24 Parganas and Bankura participated in the event this year. Along with fresh Mangoes various kinds of processed products of mango like mango leather, pickle, aam kasundi; mango panna etc. was displayed and marketed in the event.

The event received an overwhelming response and substantial amount of footfall from the visitors and buyers during the month long event. This event has truly provided a platform to create awareness about the production and promotion of various varieties of Bengal Mangoes.



Orchid cultivation in Hooghly



Orchid is a high value flower crop mainly cultivated in hilly areas of West Bengal as domestic and commercial crop in many cases. The cultivars which requires considerably lower temperature for flower initiation is only suitable for cultivation in hilly low temperature areas. Apart from this some of the cultivars are also performed well in sub - tropical areas like Dendrobium, Vanda, Phallaenopsis and Cattleya in Controlled Atmospheric Situations. The high price of the cut flower as well as full grown orchid plant has a great demand among people who values aesthetic beauty. As orchid belongs to high weather sensitive crop category hence this high value flower crop couldn't be effectively cultivated in general open field condition. Commercial ORCHID cultivation needs sophistication with precision farming under protected green house structure. This is pioneered by Sri Chandan Bhakat who had started the cultivation of Dendrobium in 2000 sqm Naturally Ventilated Polyhouse successfully in 2016 - 17 with regular marketing which generates a sustainable income Rs. 4 lakhs p.a. Previously he used to grow paddy and vegetables on the said land with annual income of Rs. 1.5 lakhs only which encouraged him to expand Orchid Cultivation in another 2000 SQM protected area. At present his annual turnover is Rs. 8 lakhs p.a. from the entire farm.

He is now an inspiration among the neighboring farmers for protected cultivation.



Success in Mushroom of Murshidabad

1. Establishment of Low cost Mushroom production unit

A new initiative has been taken in Murshidabad district mostly in Domkal subdivision during 2021-22 to establish the low cost mushroom production unit under RKVY scheme to the small and marginal farmers for providing such unit to ensure more livelihood support. Six nos of such growers received benefit from the project. As per the norms of RKVY each beneficiary got the subsidy amount of Rs. 33,250/- for one unit.



2. Construction of Low cost onion storage (25 MT)

Under onion cultivation almost 16730 ha area has been covered with a production of 368060MT. Under MIDH scheme low cost onion storage structures have been encouraged among the interested beneficiaries. During the year 2021-2022 a total no of 11 of such structures have been constructed as per norms of MIDH for which total subsidy amount of Rs. 9,62,500/- @ Rs. 87,500/- per unit to each beneficiary was given.



West Bengal State Food Processing & Horticulture Development Corporation Ltd.

- ❑ WBSFP & HDCL is a Company, originally established in 1986, in the name of Teesta Fruit & Vegetable Processing Ltd. under the control of Public Undertaking Deptt., Govt. of W.B.
- ❑ Teesta Fruit & Vegetable Processing Ltd. was renamed as WBSFP & HDCL in 1998.

Organizational Structure

- ❑ The Management of the Company is vested with the Board of Directors.

Activities of the Corporation

Ayeshpur Farm

- ❑ To conserve the traditional mango varieties of West Bengal , which are going to be extinct in future, if not conserved i.e - Kohitoor, Champa, Bimli, Begampasand, Jahanara etc, progeny Orchard has been developed in Ayeshpur Farm. In addition with this, progeny orchards of different fruit Crops such as Jack fruit, Ber, Jamun, Water Apple, Star Apple, Dragon fruits etc. has been developed on 5 acre land at Ayeshpur, Nadia Farm
- ❑ Different types of vegetables including off season and exotic high value vegetables has been cultivated at Ayeshpur Farm, Nadia both in poly house such as capcicum (green and colour), Cherry Tomato ,Lettuce, Chinise Cabbage, winter vindi, tomato and open field condition such as Beans, Grean Pea, Carrot, Best Root, Brocoli, Cabbage, Red Cabbage, Cauliflower, Colored Cauliflower, Coriander Leaf, Spinach.
- ❑ During 2020-21, the Corporation has taken up of 19 no of schemes which are still running.
- ❑ The Corporation has a well equipped Tissue Culture laboratory at Ayeshpur, Dist: Nadia
Year of establishment: 2013 with funding support aside scheme with a production capacity of 20-30 lakhs per annum. This unit is now none functioning.



Advance Production of Planting Materials

To optimally utilize the available arable land in the Farms under the Corporation, without investment, the project of advance production of planting material is taken up by engaging private agencies as a partner for the WBSFP&HDCL. This agency are selected through a tender, in terms of guaranteed production of the predetermined quantities of planting materials required for the Area Expansion programme, and a Revenue-Sharing model, for sharing of sale proceeds with the WBSFP&HDCL.

• Presently the schemes are running under Barjora HRDF and Mohitnagar Farm

Planting Materials Supplied From Barjora HRDF in 2021-22

Total quantity of planting materials – 881650 no.s

Total saving of Deptt. of FPI&H – Rs.12723377

Planting Materials will be supplied From Barjora HRDF in 2022-23

Total quantity of planting materials – 802905 no.s



Planting Materials will be supplied From Mohitnagar Farm in 2022-23

Total quantity of planting materials – 7, 24, 948 no.s

Achievements

1. During the year 2021, WBSFP&HDCL has sold about 95 Lakh Nos.(approx) of different fruit plants and saplings to the different Districts under MIDH/SDS from which 8.81 lakh (approx) no.s of plants have supplied by Barjora Farm of WBSFP&HDCL.
2. During the year 2021, Supply of different saplings and agri-inputs to the different districts is going on under MGNREGA, which is amounting to Rs. 8.13Crore (Approx).
3. During the financial year 2021-22 (up to December, 2021), the Corporation has achieved turnover of Rs 26 crore.
4. Different Nursery Schemes for production of saplings of different fruits are successfully running at Ayeshpur Farm as PIA of District Nadia under MGNREGA.
5. During the year 2021, 88 no's of Confectioners from the different Districts of West Bengal have received the Certificates of Authorized User of GI of "Banglar Rasogolla".
6. Taking up the work of beautification and Landscape gardening work in Govt. as well as private sectors through WBSFP&HDCL i.e Alipore Body Guard Line and Majherhat Underpass.



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