



Vikshit Krishi Sankalp Abhiyan: A Pre-Kharif preparation

The Vikshit Krishi Sankalp Abhiyan was inaugurated on 29 May 2025 by the Hon'ble Chief Minister of Maharashtra Shri Devendra Fadnavis, at Vasantrya Naik Marathwada Krishi Vidyapeeth (VNMKV), Parbhani. The event was organized by Krishi Vigyan Kendra, Parbhani, under the guidance of Dr. Prashant Bhosale, Senior Scientist and Head.

In his inaugural address, the Chief Minister emphasized the government's firm commitment to strengthening the agricultural sector by equipping farmers with real-time access to weather forecasts, market intelligence, and expert advisory services. He stressed the importance of adopting modern technologies to enhance agricultural resilience, improve sustainability, and boost profitability, thereby ensuring long-term benefits for rural communities. The inaugural event was further elevated by the presence of key dignitaries, including Hon. Shri. Manikrao Kokate, Agriculture Minister, Maharashtra State, Hon. Mrs. Meghana Sakore-Bordikar, Minister of State, Hon. Shri Sanjay Jadhav, MP Parbhani Constituency, Hon. Shri. Vikram Kale MLC, Shri. Satish Chavan MLC, Shri. Rahul Patil MLA, Shri. Ratnakar Gutte MLA, Shri. Rajesh Vitekar MLA, Hon. Mr. Vikaschandra Rastogi (IAS), Principal Secretary (Agriculture) Govt. of Maharashtra, Hon. Dr. Indramani V.C. VNMKV, Parbhani, Shri. K. Sammi Reddy, Director of the National Institute of Securities Market (NISM), Baramati, and Nodal Officer for the Abhiyan (Zone-VIII), Dr. Arjun Tayde, Principal Scientist at the Central Institute for Cotton Research (CICR), Nagpur, and Dr. Tushar Athare, Scientist at the Agricultural Technology Application Research Institute (ATARI), Pune. Following the launch, KVK Parbhani, mobilized two dedicated scientist teams to carry out an intensive district-wide outreach campaign. From 29 May to 12 June 2025, these teams visited 90 villages, delivering hands-on training and personalized guidance to farmers. The campaign focused on introducing high-yielding crop varieties developed by VNMKV, advancing Integrated Pest and Disease Management (IPDM) practices, and promoting organic and natural farming techniques. In addition to crop-based interventions, farmers were educated on sustainable income-generating activities such as dairy farming, goat rearing, backyard poultry, and fisheries.



A momentous launch : Honorable CM Shri Devendra Fadnavis inaugurates VKSA of KVK Parbhani.



Esteemed dignitaries including Dr. Indra Mani, Dr. Khizar Baig, Dr. Gajanan Gadade, Dr. Bhagwan Asewar, Dr. P.S. Neharkar and Dr. Prashant Bhosale graced the dais with their presence

This multifaceted approach aimed to diversify rural livelihoods and reduce dependency on traditional farming alone.

The closing ceremony of the campaign was held on 12 June 2025 at Katneshwar village, Taluka Purna, marking the successful culmination of the 15-day initiative. The event was graced by the virtual presence of Hon. Dr. Indra Mani, Vice Chancellor of VNMKV, alongside distinguished guests including Dr. Rakesh Ahire, Director of Extension Education, Dr. Khizar Baig, Director of Research, Dr. Bhagwan Asewar, Deam VNMKV Parbhani and Dr. Prashant Deshmukh, Chief Executive Officer of the Directorate of Extension Education (DEE), VNMKV, Parbhani. Senior academicians and officials such as Dr. P. S. Neharkar HOD Entomology, Shri. Dr. Chandrashekhkar Ambadkar Associate Professor Plant Pathology, Dr. Jagtap Associate Professor Plant Pathology, Dr. J.B. Gadade Manager ATIC, Dr. Anant Badguzar Assistant Professor Entomology, VNMKV, Parbhani and Dr. Santosh Bhalerao, T.A.O. Purna also contributed valuable insights during the closing session.

The initiative successfully established strong linkages between scientific research and the needs of farmers. By promoting low-cost, high-impact technologies, the campaign enabled immediate improvements in farm productivity and operational efficiency. Farmers benefitted from real-time problem-solving through direct interaction with agricultural scientists, empowering them to adopt modern practices with confidence. The participation and enthusiastic response from rural communities highlighted the program's relevance, effectiveness, and transformative potential. During that 15 days period, a total of 15821 farmers from 90 villages in Parbhani district benefited from the Viksit Krishi Sankalp Abhiyan under the guidance of the Krishi Vigyan Kendra Parbhani's team.

ENHANCING PRODUCTIVITY OF SOYBEAN THROUGH BBF PLANTER IN PARBHANI

Soybean is a legume crop, yet it is widely used as oilseed. Majority of the area under Soybean (+) Red gram or Soybean-green gram-based cropping system is in Maharashtra and is covered under vertisols and associated soils under rainfed during kharif. Soybean cultivated areas normally receives assured seasonal rainfall ranging from 750-800 mm with South-West monsoon. Almost 90% of which is received between June to September months. The climate change during the last decade particularly the rainfall pattern and its distribution has exhibited frequent aberrations with extreme situation of sudden down pour or prolonged dry spell entailing into severe stress in Soybean crop at various crop growth stages more so during pod initiation to seed filling stage. In general, the productivity of rainfed Soybean is relatively low as compared to irrigated crop. So, it is necessary to adopt suitable technology(s) to conserve the rain water (in-situ) to ensure adequate moisture during the various crop growth stages, particularly under rainfed cultivation.

Black cotton soils cover major area in Parbhani district and receive an average annual rainfall of 888.5 mm. Soybean is the second major crop in the district BBF technology is highly suitable to the black cotton soils and rain fed situations prevailing in the district. Thus, by this BBF planter, the performance of high yielding improved varieties is optimized as the deep furrows created under BBF provides effective drainage during excess rains, while serves as in situ moisture conservation during dry spells, thus mitigating the detrimental effects of both extreme situations. This would enable farmers to enhance their productivity and reduce the cost of production. KVK Parbhani has conducted cluster front line demonstration (CFLD) on BBF technology and token method in soybean crop during kharif 2025-26 with 180cm bed width, 30 cm furrow width, seed rate of 20kg / ac, spacing 45 X 5 cm. The BBF machine was introduced basically to cope up with the problem of moisture stress and provides effective drainage during excess rains, while serves as in situ moisture conservation during dry spells, thus mitigating the detrimental effects of both extreme situations.

Major reasons for lower productivity in Soybean

1. Maintenance of optimum plant stand:
2. Moisture stress at critical crop growth stages.
3. Stunted growth due to water logging in heavy soils
4. Infestation of pest and diseases.

To overcome the above the production constraints, use of BBF planter is one of the technology to optimum utilization the resources and to realize higher yields in soybean.



Sowing by BBF Technology



BBF method showing excellent results on crop growth



Visit of Hon. District Magistrate, DSAO, Tahsildar, TAO, Extension Agronomist



Pod development stage

6th Episode of KrishiChaupal Telecasted on 10th May 2025 on DD Kisan

The sixth episode of KrishiChaupal, aired on 10 May 2025 on DD Kisan, focused on empowering farmers with practical, low-cost strategies to increase their income while adopting scientific agricultural practices. The episode opened with an important discussion on the role of science in farming, emphasizing that understanding and applying scientific methods is the key to higher productivity and profitability. Experts guided farmers on Kharif crop planning, providing insights into crop selection, fertilizer use, pest management, and modern irrigation techniques.

One major segment addressed the right way to apply fertilizers. Farmers were cautioned against blindly using only urea and DAP, as it brings limited benefits to the soil. Instead, balanced nutrient management and soil testing were highlighted to ensure better crop health and long-term soil fertility. The experts also explained the selection of seeds according to soil type and climate, stressing that the right seed choice determines yield potential. A practical demonstration on direct sowing of paddy (DSR – Direct Seeded Rice) was shared, outlining who can adopt this technique, the requirements, and its cost-saving benefits.

The discussion moved on to traditional remedies for crop health, questioning their effectiveness in today's scenario. It was observed that the impact of some age-old treatments has reduced, especially against the rising threats of pests and diseases. The program highlighted major Kharif crop pests such as paddy stem borer and brinjal fruit and shoot borer, explaining how they harm crops and reduce yields. A critical part of the episode addressed climate change as a major challenge for agriculture. Farmers were encouraged to use the Meghdoot app, which provides accurate weather forecasts. By staying informed about rainfall and temperature patterns, farmers can make timely decisions for sowing, irrigation, and pest control.

The episode concluded with a reminder about the importance of drip and sprinkler irrigation systems for efficient water use and better crop outcomes. The anchor closed the session with an invitation to farmers to stay engaged with KrishiChaupal and keep visiting local agricultural markets to stay updated on innovations and prices.

5th Farmers-Scientist Forum Organized at Sawali village, Manwat

The Krishi Vigyan Kendra, Parbhani organized the 5th Farmers-Scientist Forum at Sawali village, Manwat Taluka, Parbhani District, on 7th May 2025, under the guidance of Dr. Prashant Bhosale, Senior Scientist and Head, KVK Parbhani.

During the program, Dr. Amol Kakde, Scientist (Plant Protection) delivered the keynote address, emphasizing pre-Kharif crop planning and integrated pest and disease management for soybean, cotton, and pigeon pea. He highlighted the importance of seed treatment, trap crops, bird perches, pheromone traps, yellow sticky traps, use of bio-fungicides, and timely application of chemical pesticides only when the economic threshold level of pest infestation is crossed. He also encouraged farmers to adopt supplementary enterprises like sericulture, beekeeping, and mushroom cultivation to enhance their income.

Mr. Sawai Singh Nitharwal, Scientist (Crop Production) guided farmers on crucial aspects of the Kharif season, including soil selection, improved seed varieties, sowing time, intercultural operations, intercropping methods, as well as weed and water management practices.

Mr. C. R. Deshmukh, Laboratory Assistant, KVK Parbhani, explained how to collect soil samples, the importance of soil and water testing, strategies to increase soil organic carbon, and proper management of organic and chemical fertilizers.

The event also featured practical demonstrations on soybean germination testing and the use of safety kits during pesticide spraying. The officers and staff of KVK Parbhani worked diligently to make the program a success, which witnessed enthusiastic participation from a large number of farmers from the region.

Demonstration on Seed Treatment in Kharif Crops



Seed Treatment



Demonstration on Seed Treatment

Soybean, Pigeon pea and Cotton are major crops cultivated in Parbhani district during Kharif season. The productivity of soybean and Pigeon pea is 10.23 q/ha and 5.35 q/ha respectively which is lower than the recommended package of practices due to lack of the information about the use of bio-fertilizer for pre-sowing seed treatment. In Pigeon pea crop, trichoderma helps to reduce the crop susceptibility to the wilt disease which is major problem in Redgram crop. The pre-sowing seed treatment by biofertilizer has potential to increase the yield by 7 to 10% along with recommended package of practice.

KVK Parbhani expert Mr. S. S. Nitharwal Scientist, Crop Production, guided about the FIR method, bio-fertilizers use, its benefit for crop production and care during seed treatment to farmers. He also demonstrated the pre-sowing application of bio-fertilizers to soybean and pigeon pea crop seed in the village Kolha, Ta. Manwat on 20th June 2025.

Farmers Training Programme on CFLD Soybean

Under National Food Security Mission (NFSM) One day pre-sowing training programme was organized for selected farmers of CFLD Soybean at Bramhapuritarfe Pedgaon on 7th July 2025. Mr. S. S. Nitharwal, Scientist, Crop Production and Dr. A. M. Kakde, Scientist, Plant Protection were the experts present in the programme. The programme was organized under the guidance of Dr. P. B. Bhosale, Sr. Scientist & Head, KVK Parbhani.

Mr. S. S. Nitharwal, Scientist, Crop Production, KVK, Parbhani explained about the importance of horizontal spread of demonstrated technologies under CFLD for better and quick adoption rate. During the technical session he also explained about the technological module on advanced production and plant protection technology for Soybean. He focused on improved varieties and its character demonstrated in demonstration along with soil test based INM, seed treatment with bio fertilizer and bio fungicide, low cost in situ soil and water conservation practices etc. He urged farmers to adopt the techniques imparted in the training on their own farm and also work as a technology ambassador for other farmers for further horizontal spread of demonstrated technology.

Dr. A. M. Kakde, Scientist, Plant Protection, KVK, Parbhani explained about Seed treatment and Integrated pest & diseases management in Soybean crop. At the end of technical session clarified the different technological doubts raised by the farmers. The selected farmers from village Bramhapuritarfe Pedgaon attended the training programme. Mr. Pandharinath Ikkar conducted programme proceeding and offered vote of thanks.



Shri. Sawai Singh Nitharwal, Dr. A.M. Kakde and Shri. Pandharinath Ikkar addressing the farmers

Celebration of Field Day on Summer Groundnut

Krishi Vigyan Kendra, Parbhani has implemented the Cluster Frontline demonstration programme on summer groundnut crop on 60 ha. at village Warna, Taluka Jintur & District Parbhani under National Food Security Mission (NFSM) during summer season. Training for the groundnut farmers from Warna village was organized in the month of January 2025.

During that training Mr. S.S. Nitharwal, SMS (Crop Production) has briefed about the recommended package of practices for the Groundnut crop in summer season. As per advice by KVK, Groundnut farmers from Warna village approached to KVK and implemented the demonstration on 60 ha area. Farmers sown the groundnut crop in the first to third week of January 2025. The crop was managed according to the prescribed schedule of recommended practice by the farmers. To generate the importance of crop management among the other farmers through demonstration and field visit by expert, the field day was organized at Warna on 31st May 2025 under the guidance of Dr. P.B. Bhosale, Sr. Scientist & Head, KVK Parbhani.

Mrs. Sima Raviraj Ambhure Sarpanch Warna Village was the chief guest of the programme. Mr.S.S.Nitharwal, SMS,Crop Production and Dr.A. M. Kakde, SMS, Plant Protection were the experts present in the programme. During Field Day programme, Dignitaries and KVK Expert along with farmers visited to the demo plot of ShriVasant Madhukar Ambhure.

Mr. S.S. Nitharwal advised farmers to follow the recommended crop management practices to get higher crop yield and minimize unnecessary use of non-recommended products in crop production.

During programme the farmers discussed various queries with the experts and Shri Vasant Madhukar Ambhureshared his groundnut farming experience. Mr. Sharad Thamketook the programme proceedings and Mr. Pradeep Ambhure proposed vote of thanks for the field day programme.



Celebration of field day



Field visit

World Bee Day Celebration at Krishi Vigyan Kendra, Parbhani

The Krishi Vigyan Kendra ,Parbhani celebrated World Bee Day at Krishi Vigyan Kendra, Parbhani on 20th May 2025 under the guidance of Dr. Prashant Bhosale, Senior Scientist and Head, KVK Parbhani.

On this occasion, Dr. Amol Kakde, Scientist (Plant Protection), enlightened farmers about the importance of beekeeping as a supplementary enterprise, stating that it significantly benefits agricultural production. He explained that many flowering crops depend on bees for pollination, leading to better seed setting and increased yields, highlighting the indispensable role of bees in agriculture.

Dr. Kakde provided detailed guidance on the objectives of beekeeping, different species of bees, management of European honeybees for artificial beekeeping, major components of a bee colony, and production of honey, wax, and other bee products. He also informed farmers about various schemes and programs related to beekeeping run by the Maharashtra Khadi and Village Industrial Board and the Department of Agriculture.

Mr. Sharad Thamke from the Cotton Development Project delivered the vote of thanks. The officers and staff of KVK Parbhani worked hard to make the programme successful, farmers and many

Celebration of International Yoga Day at Mandakhi Village On 21 June, 2025.



The International Yoga Day was celebrated with great enthusiasm at Mandakhi village organized by the Krishi Vigyan Kendra, Parbhani at Indrayani School. The event was held under the guidance of Dr. Prashant Bhosale, Senior Scientist & Head, KVK Parbhani. The program commenced with an inaugural address by Head Master of the Indrayani School, Mr. R.S. Chafe, who emphasized the significance of yoga for health and encouraged students to incorporate it into their daily routines. He highlighted the positive impact of yoga on physical and mental well-being, urging everyone to make it a regular practice.

The event featured a session led by renowned yoga expert and trainer Dr. Deshpande, who guided the students through various yoga asanas, pranayama, and meditation techniques. Through practical demonstrations, Dr. Deshpande explained the scientific importance of yoga, fostering awareness and enthusiasm among the students. The session was both engaging and informative, leaving a lasting impression on the participants. Additionally, KVK Parbhani's yoga instructor, Shri. Shridhar Pawar demonstrated simple and effective yoga asanas, emphasizing their role in promoting a healthy and balanced lifestyle. He encouraged the students to adopt regular yoga practice to enhance their physical health and mental clarity.

Dr. Imrat Khan Aghai, Scientist, KVK Parbhani, described yoga as more than just physical exercise, calling it a priceless heritage of Indian culture. He stressed that daily yoga practice can lead to mental peace, physical fitness, and spiritual growth. The event saw active participation from students, teachers, and KVK staff, all of whom contributed to its success with their wholehearted involvement. The event was filled with positive energy and unity, making it a memorable and impactful celebration of International Yoga Day.



Dr. Imran Khan Aghai, Shri. Shridhar Pawar, Shri. R.S. Chafe and Yog guru Shri. Deshpande celebrated International Yoga Day at Indrayani School, Mandakhali, Tq. Parbhani

Celebration of World Milk Day at Pimpalgaon Gayke Village, Parbhani

On June 2, 2025, Krishi Vigyan Kendra, Parbhani, celebrated World Milk Day at Pimpalgaon Gayke village in Jintur Taluka, Parbhani District. The event was organized under the guidance of Dr. Prashant Bhosale, Senior Scientist and Head of KVK Parbhani.

The program aimed to engage local dairy farmers and provide them with valuable knowledge to enhance their dairy operations. A key highlight was an informative session led by Dr. Imran Khan Aghai, Scientist (Animal Science) at KVK Parbhani. He emphasized the crucial role of milk in promoting human health, highlighting it as a rich source of essential nutrients such as proteins, calcium, vitamins, and minerals. These nutrients, he explained, are vital for growth, bone strength, and overall well-being. He encouraged farmers and their families to include milk in their daily diets to fight malnutrition and strengthen community health.

A major part of the session focused on clean milk production techniques. KVK Scientist focus on the importance of hygiene at every stage of dairy farming from milking to storage to ensure the production of safe and high-quality milk. He introduced innovative technologies such as modern milking equipment, proper udder-cleaning methods, and sanitized storage systems. These advancements help improve milk quality and shelf life, thereby increasing marketability and profitability for farmers.

The event saw enthusiastic participation from local farmers, who actively engaged with the expert through questions and discussions. The interactive session helped allow farmers to share their challenges and solutions. This program helps the farmers empowered with new knowledge and is motivated to implement modern dairy practices. By focusing on health, hygiene, and innovation, KVK Parbhani took a significant step toward strengthening the dairy sector in the region, ensuring a brighter and more sustainable future for local farmers and their communities.



Dr. Imran Khan Aghai, Shri. Sharad Thamke and Shri. Vikas Khobe addressing farmers during World Milk Day

उन्हाळ्यात परसबागेतील कोंबडी पालनासाठी सल्ला

स्वच्छ पाणी: कोंबड्यांना नेहमी स्वच्छ, थंड पाणी उपलब्ध करा. दिवसातून २-३ वेळा पाणी तपासा आणि भरा. थंड पाण्यासाठी पाण्याची भांडी सावलीत ठेवा. गरजेनुसार इलेक्ट्रोलाइट्स पाण्यात मिसळा.

सावली आणि हवा खेळती राहणे: परसबागेतील सावलीसाठी झाडे, ताडपत्री किंवा छत वापरा. प्रत्येक कोंबडीसाठी २-४ चौरस फूट जागा खान्यात आणि ८-१० चौरस फूट परसात ठेवा.

खाद्य व्यवस्थापन: सकाळी लवकर किंवा संध्याकाळी खाद्य द्या, जेणेकरून कोंबड्या खातील. १६-२०% प्रथिनेयुक्त खाद्य द्या. थंड फळे (जसे टरबूज, काकडी) मर्यादित (१०%) द्या.

उष्णतेचा ताण तपासा: कोंबड्या हातापाय पसरत असतील, जोरात श्वास घेत असतील किंवा सुस्त दिसत असतील, तर त्यांना सावलीत हलवा आणि थंड पाणी द्या.

स्वच्छता: कोंबडीखाना आठवड्यातून एकदा स्वच्छ करा, ओला खुरदा काढा. रेती किंवा लाकडाचा भुसा वापरा. माश्या आणि किड्यांपासून बचावासाठी पुदीना किंवा तुळस लावा. सुरक्षा: परसात भक्ष्य कुंपण लावा (जमिनीत ६-१२ इंच खणून). खाद्य बंद डब्यात ठेवा, जेणेकरून उंदीर येणार नाहीत.

अंडी आणि आरोग्य: अंडी दिवसातून २-३ वेळा गोळा करा, जेणेकरून ती खराब होणार नाहीत. कॅल्शियमसाठी शिंपल्याच्या कवच द्या. स्थानिक व्हेटरिनरी सल्ल्याने लस द्या.



Celebration of World Veterinary Day

On the occasion of World Veterinary Day, KrishiVigyan Kendra, Parbhani in collaboration with the Veterinary Clinic, Pedgaon under the District Animal Husbandry Department, Parbhani organized a joint Animal Health camp on 28th April 2025 in Panhera village, Taluka Parbhani. The event was held under the guidance of Dr. Prashant Bhosale, Senior Scientist and Head, KVK Parbhani. The camp focused on promoting the importance of animal health, disease prevention, and the implementation of online animal tagging.

Dr. Imran Khan Aghai, Subject Matter Specialist (Animal Science), spoke about modern animal healthcare technologies and highlighted the role of scientific animal husbandry practices. He emphasized the importance of deworming in improving livestock productivity and minimizing disease-related losses.

Dr. Abdul Aziz Ansari, Livestock Development Officer from Pedgaon, informed farmers about various government schemes related to animal husbandry. He also provided guidance on vaccination against Lumpy Skin Disease and the online animal tagging process, encouraging all livestock owners to actively participate in the initiative.

During the camp, livestock from Pedgaon and nearby villages were vaccinated and tagged. This initiative contributed to better disease control and more effective livestock management. A total of 148 animals were dewormed, and both tagging and vaccination were successfully carried out. Additionally, 48 cattle from Jai Bhavani Goshala in Panhera village were vaccinated for Lumpy Skin Disease and tagged under the National Animal Online Tagging Campaign.

The staff of Krishi Vigyan Kendra, Parbhani, along with the Veterinary Clinic team from Pedgaon, played a vital role in making the event a success.



Dr. Imran Khan Aghai conducts animal health check-up during World Veterinary Day

Technology Module and success story under CFLDs On Oilseeds2024-25

The Krishi Vigyan Kendra, Parbhani, conducted a front-line demonstration program on summer groundnut cultivation during the 2024-25 season. The selected crop was summer groundnut of variety TG-37A, known for its high yield potential. The farmer involved in this demonstration was Shri Vasant Madhukar Ambhure from At Post Wana, Taluka Jintur, District Parbhani. Shri Ambhure is an innovative farmer with 10 hectares of land, cultivating gram in the rabi season and soybean in kharif, with well irrigation supporting his cropping. The technology demonstrated included the use of the high-yielding TG-37A groundnut variety, soil test-based fertilizer application, and integrated pest and disease management practices. The program was supported by the KVK through the organization of training sessions on groundnut production technology, distribution of critical inputs, and regular field visits to guide farmers.

Shri Ambhure successfully adopted the improved package of practices, particularly integrated pest management and timely pesticide application. These practices were key to the success of the demonstration, resulting in higher efficiency and productivity. The farmer reported that TG-37A groundnut showed a greater number of pods per plant compared to traditional varieties, along with compact pod setting, smooth pod surfaces, and a higher number of three-seeded pods. This variety performed well under drought conditions and had very low incidence of root rot disease, enhancing crop resilience and yield stability.

The average demonstration yield achieved was 22.06 quintals per hectare, significantly higher than the district average of 11.59 q/ha and state average of 10.98 q/ha. The potential yield of the variety is estimated to be between 30 to 35 quintals per hectare. In terms of economics, the demonstration achieved a yield of 23 quintals per hectare with a gross income of Rs.119,600 per hectare, net income of Rs.65,350 per hectare, and a benefit-cost ratio of 2.20. This is a marked improvement over the farmer's previous practices, which yielded 19.2 quintals per hectare with a net income of Rs.43,990 per hectare and B:C ratio of 1.78, showing an increase in productivity by almost 20%.

The success of this CFLD initiative highlights the benefits of adopting improved practices and high-yielding varieties for groundnut cultivation under rainfed and irrigated conditions. The farmer expressed satisfaction with the increased productivity and income, especially under challenging drought pressures. The program also included important activities such as seed treatment demonstrations, input distributions, field visits, training on integrated nutrient management and water use efficiency, and a field day to celebrate the success with community participation. This success story demonstrates the positive impact of technology adoption and capacity building through CFLDs in improving oilseed crop production and farmer livelihoods in the Parbhani region.



Advancing Sustainable Agriculture Through Composite Fish Culture

Name: **Shri. Mahadev Janardhan Suryavanshi**

Age: 29 Years

Village: Kortek, Taluka- Sonpeth, District Parbhani

Landholding: 5 Acres

Main Crops: Sugarcane, Cotton, Soybean

Shri Mahadev Janardhan Suryavanshi, a 29-year-old dynamic farmer from Kortek village, Taluka Sonpeth, District Parbhani, has transformed his 5-acre farm, where he cultivates sugarcane, cotton, and soybean, by integrating composite fish culture. Utilizing of his existing Farmpond, Mahadev, with technical support from Krishi Vigyan Kendra, Parbhani, turned it into a productive Composite Fish Culture unit to boost income without requiring additional land. He was provided with high-quality fingerlings of Rohu, Catla, Mrigal, and Cyprinus, selected for their compatibility in composite fish culture to maximize pond productivity. KrishiVigyan Kendra also guided him on technical aspects like stocking density, balanced feeding schedules and pond management practices. Mahadev followed these recommendations, monitoring water quality, preventing diseases, and ensuring optimal fish growth. Within just one year, he harvested 350 kg of fish. This innovative approach not only utilizes his pond efficiently but also reduces input costs for fish farming, as it leverages existing resources. By composite fish culture with his primary crops, Mahadev has created a sustainable model that enhances farm productivity and demonstrates the power of integrated farming systems.

Impact : Boosting Income and Inspiring Sustainable Practices: Mahadev's fish farming success has significantly impacted his farm and the Kortekvillage. His first cycle yielded 350 kg of fish, sold locally at competitive prices, generating a substantial new income stream alongside earnings from sugarcane, cotton, and soybean. This diversification has strengthened his household's financial stability, reducing risks tied to crop failures due to weather or market fluctuations. Using an existing pond eliminated the need for new land or heavy investment, making this a cost-effective model for small-scale farmers. Mahadev's success has motivated over a dozen farmers in Parbhani district to explore composite fish culture, with many seeking his advice on starting their own ponds. As a young farmer, he has become a role model for Kortek's youth, inspiring them to adopt innovative and sustainable practices. Mahadev promotes integrated farming systems that combine crops and Composite Fish culture for better livelihoods



Patron
Hon. Smt. Laxmitai Ashokrao Deshmukh
Chairperson
Jeevan Jyot Charitable Trust, Parbhani

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