



PDKV News

Quarterly Newsletter of

Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola-444104 (M.S.)

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April to June, 2020

From the Vice-Chancellor's Desk..



Dear Farmers and fellow Scientists, we all are aware of the fact that not only our Country but whole World is going through extremely difficult times due to Corona Pandemic. It has adversely affected all the sectors including agriculture. In spite of prevailing hostile conditions, we have to move forward converting the adverse situation into an opportunity and at the same time taking all the necessary precautions and following Government guidelines to prevent COVID-19 and protect ourselves from this disease.

The University is committed to conduct need based research to come out with technological solutions to the problems faced by the farmers. This year also, our Scientists have developed various technologies that includes 4 release and 3 pre-release varietal proposals, along with 48 recommendations on different crops which

will be released for the benefit of farming community.

The season this year is starting with a very peculiar situation of CORONA pandemic, however, there is no need to panic in any circumstances. The encouraging thing is that the Government has allowed all the trades and transactions in Agriculture being an essential commodity/sector and also the fact that good rains are expected this year round that needs to be utilised to its maximum. I expect the farmers of the region to follow Dr. PDKV recommendations while planning for *kharif* and *rabi* crop cultivation to get better results and can always contact and consult our Scientists for any on-farm query. For instance, the cotton growers should not to go for pre-monsoon sowing so as to avoid pink bollworm infestation. Similarly, heavy rains last year has affected soybean crop adversely that might influence the seed availability as well as seed germination. In such case, soybean growers should conduct germination test and accordingly seed rate can be finalised so as to maintain per hectare populations of plants. Thus, well planned timely measures can lead to better harvest.

I wish for better crop and higher yields to my farmers.

Dr. Vilas M. Bhale
Vice Chancellor

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Organized Online Cotton Workshop



The one-day State level workshop on Cotton growers workshop was online inaugurated by Agriculture Minister, Maharashtra State Hon'ble Shri. Dadaji Bhuse on dated 26th May 2020. This workshop was organized By Directorate of Extension Education, Dr. PDKV, Akola. Chief guest of the program Hon'ble Vice Chancellor, Mahatma Phule Agriculture University, Rahuri Dr. K. P. Vishwanatha and Vice Chancellor, Vasantao Naik Marathwada Agriculture University, Parbhani Dr. Ashok Dhawan and Agriculture Commissioner, Maharashtra State Dr. Suhas Divase, Director, CICR, Cotton Research, Nagpur, Dr. V. N. Waghmare and Director ATARI, Pune Dr. Lakhan Singh was present as a special guest to grace the occasion. The chairman of the said programme Hon'ble Vice Chancellor, Dr. PDKV, Akola, Dr. V. M. Bhale.

In the inaugural speech Agriculture Minister Maharashtra State Hon'ble Shri. Dadaji Bhuse said that university has adopted new research methods by experimenting on fields of the farmers, The technology developed by the university will certainly help cotton growing farmers to do sustainable farming. Director of Extension Education, Dr. D. M. Mankar, express view on importance of cotton farming and present situation for this season. In the chairman's speech Hon'ble Vice Chancellor, Dr. V. M. Bhale informed that BG-II hybrid will be very popular among farmers as it is tolerant to sucking pests and bollworms.

In this on line workshop Director Extension Education MPKV, Rahuri Dr. Shard Gadakh, VNMKV, Parbhani, Dr. Devarao Devsarkar and Joint Director Agriculture, Shri. Subhash Nagare, Dean Agriculture, Dr. Pradip Ingole, Director of Research, Dr. V. K. Kharche were online present during the workshop.

In this workshop the total 195 No. of participants and progressive farmers and University scientists were online registered and participated this workshop. Interactions with scientists and farmers from different areas of Vidarbha region.

One Month Online Training Programme for Students

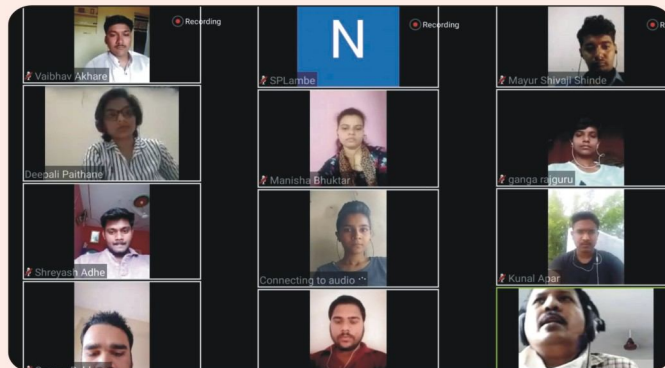


The one-month online summer training program for students on "Skill development and entrepreneurship development in renewable energy" was inaugurated on 1st June 2020 through Zoom App by Hon'ble Vice Chancellor Dr. V. M. Bhale and Chairman of the inaugural program. The total 825 No. of students (Agril. Engg.) were registered from all four SAUs of Maharashtra State. The duration of this training was 1 to 30th June, 2020. This online one-month summer training was organized under, NAHEP, Dr. PDKV, Akola.

Director of Instruction & Dean (Agri.) Dr. P. G. Ingole, was connected through Zoom App with this program as a chief guest of the program. Director of Research Dr. V. K. Kharche, and Director of Extension Education Dr. D. M. Mankar were connected through the Zoom App for this inaugural program of this online one-month summer training as a guest of honour. Dean, Faculty of Agricultural Engineering Dr. M. B. Nagdeve was connected through Zoom App on the occasion. PI, NAHEP, Dr. PDKV, Dr. S.R. Kalbande, was given the brief information about this training and mention that looking to the current situation of Covid pandemic this online training is organized. The registration of this training program is free and this one month summer training is compulsory for the B.Tech (Agril. Engg.) program and hence, the training is important for the students.

Hon'ble Vice Chancellor Dr. V. M. Bhale in his chairman's speech said that, our country has huge potential of availability of natural resources. There is a scope of utilization of electrical energy which is generated through solar energy and biomass in agricultural sector. Therefore, in current scenario skill development in renewable energy is very important aspect. Also, entrepreneurship development in rural areas of the country for employment generation is today's need and agricultural sector can play a vital role in establishing agro-based industries in rural areas of the country, he added.

Expert Lecture on Water Management



NSS Unit College of Agriculture, Akola organized Expert Lecture on Water Management on dated 25.6.2020 with two distinguished speakers. Ex. Scientist NIH-Roorkee and Associate Professor, Faculty of Agricultural Engineering, Water and Land Management Institute, (WALMI) Aurangabad Dr. Dilip Dubude, and Area Manager, Jain Irrigation System Limited, Jalgaon. Mr. Dilip Pangul Patil topics covered were "Rainwater Harvesting Techniques in Peninsular India" and "Micro Irrigation: Concept and Design".

The programme was started with introductory remarks by Programme Officer NSS Unit, CoA, Akola Dr. A.H. Khade, Associate Professor, Agril. Engg and Head, Agril. Engg. Section Dr. S.P. Divekar was explained the theme of program. Welcome address was placed by Associate Dean, Dr. S.S. Mane. The speakers were introduced to the platform by Professor (CAS) and Head Extension Education Section Dr. S.P. Lambe, Total 350 students were registered for this programme, out of which 198 students from the various colleges under Dr. PDKV, Akola were present on the platform during these sessions.

During his lecture Dr. Durbude emphasise the importance of water conservation and explained various rain water harvesting techniques. He also asserted to have voluntary involvement of every individual in conservation of water, laying the status of its availability.

Mr. Pangul stated the importance of judicious use of water. Micro Irrigation methods proved to be the solution considering the saving of water and productivity of crops. He also explained the design concept of drip irrigation system in detail.

The programme was ended with vote of thanks by Dr. S.P. Lambe. The whole program coordination and planning components were looked after by Ku. Aruna Katole, Senior Research Assistant and Shri Ajay Dhonge, Junior Research Assistant, extension Education Section, CoA, Akola.

Fertilizer Distributed to Tribal Farmers



Front Line Demonstrations are organized on farmer's field to demonstrate the knowledge and importance of micro and secondary nutrients among the farming community by All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soils and Plants, Department of Soil Science & Agricultural Chemistry, Dr. PDKV, Akola every year. Main objective of these demonstrations is to disseminate the technologies on micro and secondary nutrients among the farmers and to educate them about application of micronutrients to crops on deficient soils. Under this programme field day is organized on farmers field with standing crop to make the farmers aware about the use of sulphur fertilizer. Soil samples from each FLD farmer field is collected and Soil Health Card is distributed to the farmers totally free of cost under this programme.

During kharif 2020-21 twenty farmers, ten cotton growing tribal farmers of Melghat region from Kulangana Bk Tq Chikhaldara Dist. Amaravati and ten soybean growing farmers from Buldhana district were selected and bentonite sulphur fertilizer for one acre area is distributed to them on 9th June 2020 and 16th June 2020. For selection of farmers, distribution of fertilizers, collection of soil samples, etc. Shri. P. A. Sarap, Junior Soil Scientist, Shri. S. R. Lakhe, S. D. Nandurkar and Shri. Amol Patil are taking efforts under the guidance of Dr. S. S. Hadole, Senior Scientist and Dr. P. R. Kadu, Head, Dept. of SSAC, Dr. PDKV, Akola.

Vice Chancellor Advice at Farmers Field



Traditional farming techniques are now outdated and farmers will have to adopt new areas in farming by understanding the quality of soil, availability of irrigation facilities, market demands and climate resilience cropping pattern, said Hon'ble Vice Chancellor, Dr. V. M. Bhale. He was addressing farmers meet at Adoshi-Kadoshi village in Balapur tehsil of Akola district.

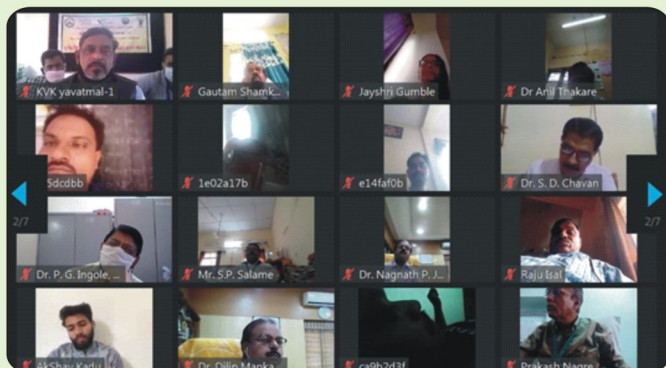
Dr. Bhale was on a visit to review the ongoing sowing operations in the district and understand farmer's problem. Farmers can overcome the agrarian crises if they adopt newer technologies in agriculture, he opined on the occasion. He also interacted with farmers and tried to understand the problem they faced. Most of the farmers in the area have been taking record production of crops sunflower, sorghum, carom seeds (Ova), gram, soybean, pigeon pea and cotton.

Pandurang Gayaki, a progressive farmer said that farmers in the area could not achieved high yield of crops only due to nuisance of wild animals like deers, rohi, wild pigs etc. Other farmers also expressed the problems faced during the cultivation of Bt cotton. They also expressed their gratitude for providing high yielding cultivars of pigeon pea, black gram, soybean, Bt cotton by the university for betterment of farming community.

Dr. Kishor Bidwe, PRO, delivered the introductory remarks and Dr. Prashant Nemade, Cotton Entomologist of PDKV, briefly narrated the agriculture practices followed by the farmers in that area. Large numbers of farmers were present during the visit.

The College staff viz., Dr. V. P. Mane, Dr. A. U. Nimkar, Sh. S.W. Choudhari, Sh. V.B. Shambharkar, Smt. Ujwala S. Sirsat, Sh. Anant Deshmukh, Dr. P. R. Damre, Sh. S.M. Sher and other staff members were actively involved for successful organization of the training.

Pre monsoon Kharif Melawa



In the crucial period of covid-19 situation farmers cannot approach any where. To overcome this crucial situation faced by farmers, Dr. Panjabrao Deshmukh Krishi Vidyapeet, Akola has organised online conferencing on Pre-Monsoon *Kharif Krishi Melawa* considering the coming monsoon season on 3rd June 2020. The Principal secretary of Agriculture, Maharashtra Hon'ble Shri Eknath Dawle appealed to farmers to remain ready with advanced planning of monsoon season to get good returns during his online address to farmers Vidarbha region. Address the farmers Hon'ble Vice Chancellor Dr. V.M. Bhale, the University has developed various new research findings with the help of experiments for the farmers and will be helpful to farmers to do sustainable and profitable farming. At this juncture respected Managing Director Mahabeej, Shri Anil Bhandari, Director of Extension Education Dr. D. M. Mankar, Director of research, Dr V.K. Kharche, Dean, Agriculture, Dr.P.G. Ingole, Dean Horticulture Dr P. K. Nagare were participated in discussion and given valuable guidance. Progressive farmers Shri. Appa Gunjkar and Shri Vijay Ingle were present during online discussion.

During this conference the senior scientists of various crops deliver their presentations regarding new promising varieties of different crops, Management of Horticulture crops, Fertilizer and water management practices, Important pest and diseases of major crops, specially pink boll worm, false army worm control. More than 100 farmers of eleven district of Vidarbha region and scientists of this University were online present on this important pre monsoon melawa.

Webinar on Turmeric and Ginger



Directorate of Extension of Education organized Webinar on Advance Production Technology for Turmeric and Ginger for Farmers on 6th June 2020.

The Webinar was inaugurated by Hon'ble Vice Chancellor Dr. Vilas M. Bhale In his address he signified the importance of spices crops in Indian economy, also stated that Dr.PDKV has developed the technologies for production of export quality spice in Vidharbha region.

Director, DASD, Calicut Dr.Homey Cherian was present as Chief Guest of function. in his speech he stated the importance of turmeric and ginger in national economy, he promised to make new hub for turmeric in Vidarbha region specially for variety PDKV-Waigaon

In the beginning Director of Extension Education Dr. Dilip Mankar,. illustrated about purpose of webinar. Director of Research Dr. Vilas Kharche, Director of Instruction Dr. Padip. Ingole, Associate Dean PGI Dr. Yayati Tayade, Dean, faculty of Horticulture Dr. P. K. Nagre, and , Head, Department of Vegetable Science Dr. Arvind Sonkamble, Professor, Extension Education Dr. Pramod Walke were online present.

In the seminar lectures were delivered by expert faculty from various departments of university, professionals engaged in spices cultivation and marketing. The farmers were imparted with advances in production of Turmeric and Ginger crops, their disease and pest management, value addition and marketing of produce. Progressive farmers Shri. Sudhir Satpute from Bhadravati, Dist Chandrapur also shared his farming experience about turmeric .

The programme was efficiently anchored by Dr. Kishor Bidwe, PRO of the University The webinar was concluded with vote of thanks given by Dr. Arvind Sonkamble, Head Department of Vegetable Science, and Special efforts for successful organization of seminar was taken by members all staff of Directorate of Extension Education.

17th SAC Meeting organized



KVK Sindewahi has organized 17th SAC meeting on 18.06.2020 on zoom app under the Chairmanship of Hon'ble Vice Chancellor, Dr. V. M. Bhale, In kindly presence of Hon'ble Director of Extension Education, Dr. D. M. Mankar, DSAO, Chandrapur, Dr. Uday Patil, Associate Director of Research, ARS Sindewahi, Dr. U. R. Dongarwar, Project director, ATMA, Chandrapur, Shri. Ravindra Manohare, ADO, ZP, Chandrapur, Shri. Shanker Kirwe, CEEO, Dr.PDKV, Akola, Dr. N. M. Kale, Scientist, ATARI-Pune, Dr. Ankush Kamble, Associate Prof. ARS, Sindewahi, Dr. P. K. Rathod, SDAO, Nagbid, Shri. D. M. Tapasker, TAO, Sindewahi, Shri. E. M. Khedkar, RFO, Sindewahi, Shri. V. N. Jangilwad, Manager, BOM, Sindewah, Shri U. N. Vanve, All line department, Progressive farmers Shri Hemant Shendre, Shri. Shamsundar Bansod, Mrs. Nandatai Pimpalshende women farmers were attended the meeting. Dr. V. M. Bhale has call upon farmers to grow Jowar crop for the animal fodder and good health of the human beings. At the onset of the meeting Dr. V. G. Nagdeote, Programme Coordinator, KVK, Sindewahi, has presented brief the progress report of KVK.

Training on Farming System for Nutrition Approach

Training programme on topic Importance of Farming system for nutrition approach under the thematic area Household food & nutrition security by FSN model and nutrition gardening at village Nandrakoli, Tal. Buldhana by the Home Science discipline of KVK, Buldhana was organized on 16 June 2020 .

Total 20 participants were present for this training programme. In this training programme the participants were guided by SMS Home Science Snehalata Bhagwat,



on Importance of balance diet & also on importance of farming system for nutrition approach. At this time input kit was distributed among the participants under OFT on Farming system for nutrition approach containing Finger millet (var. Phule Nachani rich in calcium & iron) for 5 R area, Codo millet (var. Local) for 5 R area , Barnyard millet (var. Phule Ekadashi) for 5 R area, Little millet (var. Local) for 5 R area, Red gram (Var. Vipula) for 3 R, Green gram (Var. BM 2003-2) for 2 R and various types of vegetable nearly 17 types for 4 R viz, Green leafy vegetable i.e. spinach, coriander, fenugreek, shepu and ambat chuka vine type vegetable i.e. cucumber, Bitter guard, sponge guard, ridge guard, bottle guard, round guard, pumkin other vegetable i.e. okra, Cow pea, Gawar, roots and tuber Beet root & radish etc

Youtube Live streaming Training Programme



Due to COVID-19 KVK Selsura, organized training programme through Youtube live streaming in coordination with ATMA, Wardha. Dr. R. S. Zadode was delivered lecture on "BBF Methods of Sowing and one row skip method". This training programme was organized on dated 1st june 2020 and 259 farmers were participated actively. Also queries of farmers were discussed with KVK scientist about sowing practices and problems faced during this pandemic situation.

Demonstration of Soybean on BBF



KVK, Sindewahi has conducted the demonstration of Soybean Kharif Crop on 20 ha area. For implementation of demo Use of BBF Method for cultivation of soybean crops under NFSM oilseed Project -ATARI Pune. For this Technology 50 farmers from Gondpimpri and Ballarsha Tahsil of Chandrapur District were selected. All beneficiaries were distributed the 35 kg seed of Soybean variety MAUS-158, other input Distributed and training programme carried out by KVK Chandrapur. The input distribution program was done by Mr. S.J. Chavan, TAO, Ballarsha. In kindly presence of Dr. V. G. Nagdevote, Programme Coordinator, KVK, Sindewahi, Dr. V. N. Sidam, Prof. P. P. Deshpande and all Agriculture Assistant were present.

Radio Talk on Agriculture Technology



KVK, Selsura, Dist. Wardha scientists are giving radio talks fortnightly as per current situation in farm related activities on both radio stations in Wardha district named as Radio Wardha 90.8 FM and M Giri 90.4 FM. Dr. R. S. Zadode given radio talk on the topic "Improved production technology of major kharif crops" and Dr. P.S. Umbarkar given radio talk on the topic "Precautions taken during Lockdown period" on dated 8th May, 2020 on both radio stations. Dr. V.S. Sakharkar given radio talk on "Activities and programmes of KVK" on Radio Wardha 90.8 FM.

Online Training on COVID-19 Care and Responsibility



KVK, Selsura Wardha organized online Training programme on "COVID-19 Care, safety and our responsibilities" for rural women on 15th June 2020 Dr. Prerana Dhumal, Scientist (Home Sci.) was guided on the know how of COVID-19 and precautions and safety measures to be taken and our responsibilities as a citizen in the pandemic situation. 21 women farmers were participated actively in the programme. The women were discussed on their queries about COVID-19 care and safety what's App group was created by KVK for online training programme organization.

World Environment Day Celebrated



World Environment Day is celebrated on 5th June every year for encouraging awareness and action for the protection of the environments. KVK, Yavatmal, celebrated World Environment Day on Zoom meeting online. Shri. Navnath Kolapkar, District Superintendent of Agriculture Officer, Yavatmal, Dr. S. U. Nemade, Senior Scientist & Head, KVK, Yavatmal and Dr. Vijay Mane, Associate Professor, College of Forestry, Dr. PDKV, Akola were the chief Guests and Dr. Pramod Magar, SMS (Entomology), KVK, Yavatmal guided the farmers and participants on Ecofriendly Management of Wild boar. 53 farmer were attended from Yavatmal district

Webinar on Citrus Management



Directorate of Extension of Education and Department of Fruit Science, Dr. PDKV Akola organized Webinar on "Citrus Management" on 5th of June 2020 with view to disseminate latest technologies among the mandarin growers.

The Webinar was inaugurated by Agriculture Minister, Maharashtra State Hon'ble Shri. Dadaji Bhuse. In his address he emphasized on the modern cultivation of Nagpur mandarin fruits by which it can be exported to foreign countries and doubling the income of the citrus growers.

The Webinar was presided by Hon'ble Vice Chancellor Dr. Vilas Bhale. In his presidential address he signified the importance of mandarin in Indian economy and also stated that Dr. PDKV has developed the Indo-Israel technologies for production of export quality mandarin. All Nagpur mandarin growers' needs to be register under G.I. which has been protect their rights.

In the beginning Director of Extension Education Dr. Dilip Mankar, illustrated the purpose of webinar. Director of Research Dr. Vilas Kharche, Director of Instruction Dr. Pradip Ingole, Dean, Faculty of Horticulture Dr. P.K.Nagre, and Head, Department of Fruit Science Dr. Shashank Bharad, Professor, Extension Education, Dr. Pramod Walke, CEO Dr. Narayan Kale, and, ETO Dr. Nagnath Jangwad were prominently present.

In the technical session of the seminar Dr. S. G. Bharad delivered the lecture on "citrus planting method", Dr. D. H. Paithankar delivered the lecture on "Flowering of citrus", Dr. R. S. Wankhade delivered the lecture on "Water and Fertilizer management", Dr. Yogesh Ingle delivered the lecture on "Diseases and pests of citrus" and Dr. V. S. Raut delivered the lecture on "PHT of citrus fruits". The farmers were imparted with advances in production of citrus, their disease and pest management, value addition and marketing of produce. Progressive farmers Shri. Manoj Jawanjal from Katol, Dist. Nagpur also shared his experience about organic cultivation of Nagpur mandarin and marketing of fruits.

The programme was efficiently anchored by Dr. Kishor Bidwe, PRO of the University and special efforts for successful organization of seminar was taken by members all staff of Directorate of Extension Education and Department of Fruit Science, Dr. PDKV, Akola. The webinar was concluded with vote of thanks given by Professor, Department of Fruit Science Dr. S. R. Patil.

Tribute to Dr. Pradip Borkar



Prof. Dr. Pradip Borkar, scientist in the department of Post Harvest Technology at Dr. PDKV, Akola pass away on 20 June, 2020 at a private hospital. He was 55 years Dr. Pradip Borkar was a noted scientist in his field he published 78 scientific, 52 technical and 94 extension publication and 27 awards got and had designed agriculture produce processing machines of various kinds. His extensive research work was acknowledged internationally. He was a very kind and generous person and was renowned for his anchoring skills in the various programme of the agriculture University.

Printed Matter



From :

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To,