



KRISHI VIGYAN KENDRA, WASHIM

# NEWS LETTER

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## CELEBRATION OF WORLD WOMEN DAY



**Sau. Jayshreetai A. Deshmukh guided the participants**

Healthy Women are the core of healthy societies. Menopause is the most important stage in woman's life. It is a normal part of life and is not considered a disease or condition. But during the transition to menopause changing hormones levels can affect women's menstrual cycle and cause symptoms like hot flashes and problem sleeping urinary problem etc. That's why women are uncomfortable. & some time they are misguide. In this stage women face the problem of desperation, negativity etc. which reflects their work efficiency and health. So in collaboration with Gramin Hospital Risod & KVK Washim has organized one day work shop on "Swagat Ananddai rajjonivruttiche" dated 12 March 19 at B.M.School Risod. Sau. Jayshreetai A. Deshmukh, President of B.M.School, Risod was chief guest. In her Inaugural speech she urged participants to speak freely on this topic to Doctors and Family Members and take it positively. In Technical session Dr. Geeta Shelke briefed the participant about Menopause which is the development stage in woman life. She discuss with participant on symptoms and treatments of menopause. Dr. R. L. Kale, Head explained the role of women's in development of society and urged the participants to take care of health which is very important factor in the life. Dr. Shridehar Chopde, Medical Officer explained about the primary symptoms of uterus & Brest cancer along with their precautions and treatment. Dr. Pradip Pawar aware about the Health Department schemes for rural women's. Shri Ambadas Kadse & Sau. Vijaymala Asnakar were guided the participants during the programme. During this workshop medicine was distributed among the participant by Rural Hospital, Risod. Shubhangi Watane conducted the proceedings while R. S. Daware offered vote of thanks.

## PARTICIPATION IN ANNUAL ACTION PLAN WORKSHOP



**Dr. Lakhan Singh, Director ATARI guided during the workshop**

ICAR-ATARI, Pune organized a two days Annual Action Plan Workshop of Maharashtra and Goa KVKs at KVK, Baramati during 15-16 March, 2019. In inaugural address, Shri Rajendra Pawar, Chairman, Agricultural Development Trust, Baramati highlighted the new ideas adopted by the farmers to deal with the several problems being faced by them. Shri Pawar urged the participants for developing the activities on effective use of water and resource conservation for the sustainable livelihood of farmers. Dr. K.D. Kokate, Ex-DDG (Agricultural Extension), ICAR and Director (Extension Education), MPKV, Rahuri applauded the KVK model. He urged for bringing out the quality publications based on the ground work being done in frontline extension. He opined for the planning of Nutri-sensitive interventions in certain pockets/area. Dr. Lakhan Singh, Director, ATARI, Pune opined to develop the annual plan based on existing agro ecosystem, technology gap, farm related problems, different categories of farmers. He urged for the inclusion of ICAR Institutes and SAUs' best technologies by the KVKs in their interventions. He stressed that the major strength of the KVKs lies in conducting the on-farm trials to solve the major problems of many farmers in defined area. Dr. P.G. Ingole, Director (Extension Education), VNMKV, Parbhani and Dr. D.M. Mankar, PDKV, Akola also suggested the commodity based organizations, using innovative farmers as resource persons, reaching to un-reached farmers through different ways, impact studies, etc. Shri S.K. Joshi, Business Manager, ICAR-DKMA, New Delhi discussed about the use of e-resources and social media by all the KVK experts to faster the technology transfer among the farmers and other stakeholders. In this program, 49 Sr.Scientist of Maharashtra and Goa KVKs participated and presented

**Cont. On Pg. 2**



**SUCCESS STORY OF CFLD GREEN GRAM FARMER**

Farmers alongwith Dr.B.D.Gite and KVK Scientists visiting FLD demo.

Mr. Ramesh Pralhad Sadar is one of the traditional green gram cultivator in village Khadki Sadar in Risod block of Washim District. During 2017-18 Krishi Vigyan Kendra has selected him as one of the beneficiaries under CFLD green gram programme. He owned a land area of about 2 acres where he is growing green gram for the last 4 yrs by using locally available seed of Kopergaon variety and traditional knowhow. Initially he used locally available Kopergaon green gram variety without seed treatment and applies non soil test based Basal application of 22.5 kg. N<sub>2</sub> + 58 Kg P<sub>2</sub>O<sub>5</sub> /ha (2.5 bags DAP /ha.). Non-judicious use of insecticide and fungicides against pod borer, leaf eating caterpillars and powdery mildew is his traditional practice for plant protection. Under CFLD green gram KVK provided improved green gram seed of variety BM 2003-2 to him. This is the new improved variety demonstrated first time on selected farmers' field. Correction of deficiency of micronutrients (Zn, S, Fe) by application of micronutrients i.e ZnSO<sub>4</sub> @ 20-25 kg/ha at sowing time in soil. Use of 5% NSKE and CIB registered pesticide helps as measures for management of leaf eating caterpillars in crop and powdery mildew tolerance of demonstrated variety also help to manage powdery mildew. Monitoring and control of sucking pest by the use of Yellow Sticky trap carried out. The results explore the suitability of introducing much higher yielding and powdery mildew tolerant variety of Green gram BM 2003-2 which gave 25.77% increased yield, 53.66 % increased net returns with higher B:C Ratio of 1:2.61 as compare to local check.

**Cont. from Pg. 1** their action plan for the year 2019-20. Directors of Extension Education of MPKV, Rahuri, VNMKV, Parbhani and PDKV, Akola gave their valuable suggestions for developing realistic action plan of KVKs. On the behalf of Sr.Scioentsit & Head KVK, Washim Mr. R.S.Daware participated and presented the annual action plan of KVK, Washim.

**TRAINING ON ORANGE & ONION PRODUCTION TECHNOLOGY**

Shri N..B. Patil guided the farmers during training

Krishi Vigyan Kendra, Washim and Rashtriya Chemicals and Fertilizers Ltd, Washim has jointly organized one day training programme on 26<sup>th</sup> March 2019 at village Wadgi of Risod Block of Washim District. Shri. Nurkhan Pathan, Ex-Sarpanch chaired the programme, while the Chief Guest was Shri Sudesh Waindeshkar, District Manager, RCF and Shri N..B. Patil, SMS, KVK, Washim were present as technical expert. During technical session Shri N.B. Patil has guided the farmers on Orange production technology, soil selection, irrigation management, nutrient management and different planting methods. He thoroughly guided the farmers about advantages and disadvantages of Indo-Israel method in Orange developed by Dr. PDKV, Akola i.e. High density plantation on Raised Bed which highly beneficial for early and higher production. He also guided the farmers about different season of onion production i.e. Kharif, Late Kharif and Rabbi onion and provoked the farmers to go for kharif and late kharif onion production for assured market rate and higher returns.

He also emphasized on organic matter content of soil and its importance in soil fertility. He urged the farmers to use Jivamrut and other organic fertilizers to improve the soil fertility. Shri Sudesh Waindeshkar, has enlighten about Govt of India's undertaking RCF company and its various services available for the farmers. He also motivates the farmers for the use of RCF Organic Fertilizer for improvement of soil health. Followed to technical sessions, team visited the orange plot of Shri Vijay Deshmukh developed by Indo-Israel technology and of other farmers and answered the various queries raised by the farmers. Shri Laxman Bhoje conducted the proceeding while Shri Rajesh Kalapad expressed the vote of thanks.



**ON FARM TESTING ON SOYA HARVESTING MITTENS****View of both mittens wear by farm women**

Women play a critical and potentially transformative role in agricultural growth in developing countries, but they face persistent obstacles like drudgery in agriculture. Women involved in Agriculture & allied fields vary greatly from region to region. All the activities carried out by women in domestic, Agriculture & allied fields are very strenuous and time consuming involving drudgery. The drudgery of farm women increases when their activities are performed with traditional equipment and method. Hence it is very much essential to introduce women friendly Agriculture technology to reduce the drudgery & health hazards. In Washim district Soybean is a major crop and soybean harvesting is performed manually by farmers & farm women. It is tedious and drudgery prone activity. No safe technology is available for soybean harvesting. Harvesting of soybean was found to be very difficult activity for farm workers due to pricking of dried pods and prickles and skin contact of

allergen/grass and insecticide to the fingers and arms. Injuries due to sickle, skin irritation, scratches and punctures, rashes, insect bite, itching and sunburn were common

**Harvesting of Soybean with the help of mittens**

problems faced by farm workers while performing harvesting of Soybean. These were the reasons affecting work efficiency of farm workers. KVK Washim conducted OFT on two types soy mittens which are recommended by VNMKV Parbhani & Denim mittens.

While conducting OFT on Soy mittens use of soya harvesting mitten reduce time by 27.9% & use of multipurpose mitten reduce time by 30.23% as compare to traditional method & scratches was reduced by 75%. Farm women feedback VNMKV recommended soya mittens were easy to stitching.

**FRONT LINE DEMONSTRATION ON INSECT PROBE TRAP****Miss. S.N. Watane Explained about the use of probe trap**

Nearly 70% of the grain annually produced in the country is retained by the farmers for their own food, cattle feed, seed etc. But among biotic and abiotic factors which affect grain in storage, insects play a major role in the deterioration of food grain causing both quantitative & qualitative losses so KVK Washim designed and conducted FLD on insect probe trap which is recommended by TNAU. The use of trap is relatively a new method of detecting, trapping insects in stored grain. The basic components of a TNAU probe trap consist of three important parts. A main tube, insect trapping tube, and detachable cone at the bottom. Equip spaced perforation of 2mm diameter are made in the main tube. The concept of this trap is insect love 'AIR' and move towards air, this behavior of the insect is exploited in this technology. The insect trap has to be kept in the grain like rice, wheat etc. vertically with the white plastic cone downside. The top red cap must be with the level of the grain, insects were moved towards air in the main tube and enter through the hole it falls down into the detachable white cone at the bottom then there is no way to escape and the insect are trapped forever, the white

**View of Insect probe trap**

detachable cone can be unscrewed once in a week and the insects can be destroyed. While using insects' probe trap no chemicals are used, no side effects and no maintenance cost. TNAU insect traps are excellent insect detection devices for food grain and more effective in the detection of stored grain insects. It is also a mass trapping device when used of 2-3 no. / 25 kg bin (28 cm dia. and 39 cm. length). It should be placed at top 6 inches of the grain where the insect activity is seen during early period of storages. They can remove **100± nos.** of the insects within 10-20 days. & grain damage percentage reduce by 55%



## SUCCESS STORY OF CFLD SOYBEAN FARMER



View of demonstration plot of Soybean variety MAUS-162

KVK is demonstrating the soybean crop variety with improved crop management practices for increasing the productivity of soybean crop in Washim district. During Kharif 2018, KVK has organized cluster FLD sponsored by IIOR Indore on 11.6 ha in Mop village of Risod block. The farmer Sh. Gopikishan B. Sikachi from Mop village owns 2 ha area of farm land with facility of irrigation. Previously Farmer was cultivating the JS-335 variety which was susceptible to stem borer and girdle beetle pest. He used to grow Soybean var. JS-335, without recommended pre sowing treatment of bio fertilizer & fungicide. The Soybean var. JS-335 was giving low yielding (16-18q/ha) during past three years. In KVK training on Soybean crop production technology using variety MAUS-162, he got motivated towards new production technology. He participated in the cluster FLD of Soybean crop & cultivated variety MAUS-162 on 0.4 ha during Kharif 2018. The variety MAUS-162 was high yielder (25-30q/ha), bold size grains with non-shattering pods till 10-15 days after maturity, moderately resistant to stem borer & girdle beetle pest and suitability for mechanized harvest were the attributes driving the farmer to cultivate new variety of soybean crop. For sowing he used the variety MAUS-162, pre sowing seed treatment with Rhizobium & PSB each @ 25gm/kg seed, Carboxim & Thirum @ 3gm/kg seed & 25 Kg seed was sown on 24<sup>th</sup> June 20 by using tractor operated seed drill. He applied 30:75:30 NPK Kg/ha at the time of sowing. During early vegetative growth he gave protective irrigation and completed the spraying of weedicide Imazemox & imazethapyr 70 WG @ 2gm/10lit water at 20 days after sowing & gave hoeing at 30 days from sowing. As pest repellent he sprayed 5% NSKE & for control of girdle beetle attack he sprayed chlornitrilipole 18.5 EC 3ml/10 lit water on the crop. The crop was harvested on 3<sup>rd</sup> Oct. 2018. The variety MAUS-162 with recommended practices under facility of protective irrigation gave 27.5q/ha yields i.e. 37.5% more than var. JS-335 yield as cultivated by farmer during Kharif 2018 season. The farmer earned net profit of Rs. 62414/ha with BCR of 2.98 by Soybean var. MAUS-162 under protective irrigation and recommended practices.

## STATE LEVEL MEET OF POPIS TO REVIEW NABARD FPOS



Shri. U.D.Shirsalkar C.G.M.NABARD & Other dignitaries

KVK Washim is working as a POPIs and under it two FPOs are promoted and nurtured since last 3 years period. To review the NABARD funded FPOs progress State Level Meet of POPIs was held at NABARD Maharashtra Regional Office, Pune on 19<sup>th</sup> March, 2019. Shri. U.D.Shirsalkar C.G.M.NABARD inaugurated the workshop while Dr.Ushamani P.DGM, Shri.A.R.Khan GM NABARD Head Office, Mumbai were among the important dignitaries present in the workshop. On behalf of KVK R.A.Nitnaware, CEO of FPO attended programme & presented progress along with salient achievements of the two FPOs promoted under PRODUCE fund. Major focused in his presentation on convergence viz, financial support of bankers for working capital, setup of turmeric processing unit for working in lean period, construction of rural godown and licensing has attracted for good remark from the official concerned. For better performance of FPOs special presentation were made by SFAC, ATMA, NABARD officials were done beside experience sharing of POPIs followed by group discussion was done. CEO of FPOs from entire Maharashtra State attended the programme in large number. At the end concluding remarks and vote of thanks were given by A.V.Krishan AGM NABARD.

**Krishi Vigyan Kendra News Letter is Published by**

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