ICAR Scientist Dr. Dattari interacting with farmers.

Off campus farmers training programme organized by Taluka Agriculture Officer Risod under NFSM on dated 4.12.2013 at village Pimpri Sarahad in Washim district. KVK Karda work as a technical collaborative partner of this training. Dr. Dattari Principal Scientist Zonal Project Directorate Zone V, Hyderabad attended the training as a Chief Guest. Other technical experts attended the training include Mr. S.K. Deshmukh Programme Coordinator KVK Karda and Mr. R.S. Daware SMS Plant Protection KVK Karda. Mr. R.H. Tambile Taluka Agriculture Officer Risod welcome the guest and gave the introductory remarks.

Dr. Dattari Principal Scientist ZPD Zone V interacted with participating farmers and discussed about the role of KVK mandate in technology transfer. In his further guidance he guided the farmers regarding role of ideal FLD in technology transfer and further large scale horizontal spread of demonstrated technology.

Mr. R.S. Daware SMS Plant Protection in his expert guidance talks about IPM and IDM in pigeon pea and bengalgram and clarify the different technological doubts raised by the farmer during the session.

Mr. S.K. Deshmukh P.C. KVK Karda talks about the technological services available at KVK campus.

Mr. K.M. JadHAV Agriculture Officer conducted the programme proceeding and offer the vote of thanks. All villager and department staff from Pimpri Sarahad village took the efforts for successful organization of the training programme.

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During the occasion, Mr. S.K. Deshmukh P.C. KVK Karda and Mr. R.S. Daware SMS Plant Protection are the other experts attended during the function.

Dr. D.B. Undirwade Head Deptt. of Entomology presented the IPM module in soybean and urged the participant to make the farmer expert in decisions making by conducting ideal FFS. Dr. S.M. Thakare Associate Professor Dr. PDKV Akola present the technological concept of TOF and guided to the trainee regarding participatory pest management through FFS approach.

Mr. P.S. Shinde District SAO express the satisfaction towards the Coordinated efforts taken by TOF Team for successful organization of training programme and further urged the participant to transferred the technology through ideal conduction of FFS in the future.

Mr. R.S. Daware being a Coordinator of the training present the technological conclusion obtained in the TOF field and practice FFS with participatory approach of TOF trainee. TOF trainee also present and share there practical experiences of TOF during the occasion.

Mr. S.K. Deshmukh in his presidential address urged the participant to work as a brand ambassador of technology transfer for M.S. Apiculture Department and KVK Karda.

Mr. D.K. Ranwir TOF facilitator conducted the programme proceeding and Mr. S.N. Thakare offer the vote of thanks.

**FEEDBACK OF FARMER ON KVK KMA SERVICE**

KVK Karda Kisan Mobile Advisory Service (KMA) is a providing the technological SMS as per the need of different client in KVK operational area with prior registration. The advisory services open the door of different technological options for integrated upliftment. The KVK technological mandate has been strengthened by KVK SMS services for Direct and Horizontal spread of different technologies. Mr. S.R. Bavaskar (Programme Assistant-Computer) is providing KMA services on the farmers mobile time to time. The same is also published on KVK Website regularly.

One of the beneficiary of KVK Kisan Mobile Advisory Service (KMA) given his feed back as per his experience the scan copy of the farmer is as follows.

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**OFF CAMPUS TRAINING PROGRAMME ORGANIZED**

Under Plant Protection discipline of KVK Karda one day duration of campus training programme on summer groundnut production and plant protection technology has been organized at village Rithad on dated 18.1.2013. Mr. R.S. Daware SMS Plant Protection work as a technical experts trainer in the training.

After formal inauguration in the technical session Mr. Daware present the technological module regarding BBF sowing, variety selection, INM, Irrigation management through improved method, weed management, Integrated Pest and Disease Management and other aspects regarding higher productivity in summer groundnut.

After technological session farmer scientist focus group discussion on summer groundnut has been organized. During this session Mr. Daware answer the different question raised by the farmers for better adoption of summer groundnut production and plant protection technology.

During the training demonstration on seed treatment has also been given as a skill component.

Mr. L.B. Kale conducted the programme proceeding and Mr. R.T. Markand offer vote of thanks. All villager from Rithad took the efforts for successful organization of the training programme.

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Mr. R.S. Daware addressing in EF training programme

Under M.S.Agriculture Department sponsorship KVK Karda organized five day duration Extension Functionary Training Programme for Front Line Agriculture Officer of the district during 18th Nov. 2013 to 22nd Nov. 2013. The major objective behind the organization of the training programme was the technical backstopping of the Front Line Agriculture Officer of the district involved in implementation of Dry Land Farming Mission programme in selected villages of the district. Mr. R.S.Daware SMS Plant Protection KVK Karda work as a Coordinator cum technical experts of the programme under the guidance of Mr. S.K.Deshmukh P.C. KVK Karda.

The programme was inaugurated on 18th Nov. 2013 in Chief presence of Shri. Jadhav Agriculture Officer Malegaon and valedictory function organized on 22nd Nov. 2013.

During the programme different technologies recommended by Dr.PDKV, Akola for sustainable dry land farming including BBF planting, in situ soil and water conservation, seed treatment, soil testing, appropriate selection of varieties for different major rabi crop, improved irrigation method, IPM, IDM, value addition, new approaches in processing and marketing has been presented by SMS Plant Protection, SMS Horticulture, SMS Fisheries, Programme Assistant Home Science etc.

Mr. Anil Bonde SDAO Washim visited during the training programme and express the satisfaction towards the efforts taken by whole training team including participant for successful organization of the training programme.

Mr. R.S.Daware SMS Plant Protection KVK Karda conducted the proceeding and offered vote of thanks as a coordinator. All the KVK staff took efforts for successful organization of the programme.

View of FLD Blackgram.

The FLD on Green gram and Blackgram were conducted by Plant Protection discipline of KVK Karda under rainfed black soil situation during kharif 2013. In Green gram and Blackgram the improved varieties AKM 8802 and TAU 1 along with improved package of practices has been compared with existing Farmer practice. The result of Green gram demonstration indicates that average yield obtain in the demonstration was 6.71 q/ha against the farmers practice yield of 5.57 q/ha with 20.46% in increase of yield over farmer practice.

View of FLD Green gram.

The result of Blackgram demonstration indicates that average yield obtain in the demonstration was 7.60 q/ha against the farmers practice yield of 6.40 q/ha with 18.75% in increase of yield over farmer practice. The summary of the result of the demonstration indicated in the table mentioned below.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Varietal option</th>
<th>Area (ha)</th>
<th>(No. of farmers)</th>
<th>Av. yield q/ha</th>
<th>% increase in the yield</th>
<th>B:C ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green gram</td>
<td>Variety AKM</td>
<td>12 ha (30)</td>
<td></td>
<td>6.71</td>
<td>5.57</td>
<td>20.46</td>
</tr>
<tr>
<td>Black gram</td>
<td>Variety TAU</td>
<td>12 ha (30)</td>
<td></td>
<td>7.60</td>
<td>6.40</td>
<td>18.75</td>
</tr>
</tbody>
</table>
Mr. R.S. Daware addressing to the participants.

Maharashtra State Agriculture Department organized Farmers training programmes on pest management in Bengalgram at village Umbarda in Manora tahsil on dated 17th Jan. 2014. Mr. R.S.Daware SMS Plant Protection KVK Karda attended the training as a guest trainer on IPM in Bengalgram. Shri. Bhagat Agriculture Supervisor welcome the technical expert.

After formal inauguration Mr. Daware present the IPM technological module in bengalgram during technical session. In his technical address Mr. Daware talks about role of bird purchase, neembased pesticide, bio pesticide, pheromone traps, ETL based recommended pesticide use against Helicoverpa in bengalgram. In his further guidance Mr.Daware given the message to the participating farmers that “Mass trapping of Helicoverpa with Pheromone trap is the best Eco friendly approach for management of Helicoverpa in bengalgram” . After the technical session a focus group discussion has been organized and Mr. Daware clarify the different doubts and question raised by the farmer regarding pest management in bengalgram.

Mr. Ingole conducted the programme proceeding and Mr. Solunke offer the vote thanks. All the farmers from village Umbarda and Department staff took the efforts for successful organization of the training programme.

ASSSESSMENT OF LAMBDA CYLOHATHRINE AGAINST GIRDEL BEETLE ON SOYBEAN

Soybean is the major kharif crop of KVK Karda operational area. In recent year the Soybean girdle beetle became one of the major insect pest damaging the crop. In order to get the effective management of this pest Dr. PDKV Akola has recently recommended to spray Lambda Cylohathrine 5 CS 0.005 % (10ml+10lit of water) two sprays at 15 days interval as per the infestation level. The recommendation has been assessed on farmers field under Plant Protection discipline of KVK Karda under the technical monitoring of Mr. R.S.Daware SMS Plant Protection KVK Karda. The treatment result 54.16% less infestation of girdle beetle in assess technology as compare to farmers practice and gave an additional yield of 10.05%. The result is summarized in the table mention below.

<table>
<thead>
<tr>
<th>Parameter performance</th>
<th>Farmer practice (T-1)</th>
<th>Recommended Practice/Technology Assessed (T-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.40</td>
<td>1.10</td>
</tr>
<tr>
<td>Av. girdle beetle population / m² row</td>
<td>16.90</td>
<td>18.60</td>
</tr>
<tr>
<td>Yield Q/ha</td>
<td>2:02</td>
<td>2:22</td>
</tr>
<tr>
<td>B:C ratio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Result of assessment</td>
<td>The av. 54.16% less girdle beetle population found in assess technology with 10.05% increase yield with higher B:C ratio as compare to farmer practice.</td>
<td></td>
</tr>
</tbody>
</table>