

Directorate of Extension Education
Navsari Agricultural University
Eru Char Rasta, Navsari

Proceedings of the meeting of 23rd Zonal Research and Extension Action Committee (ZREAC) held on 6th October, 2015 at Sardar Training Hall, SSK, NAU, Navsari.

● **Session-I : Inauguration & Action Taken Report**

At the outset, Prof. V.P. Vejpara, Programme Organizer, SSK, NAU, Navsari welcomed the dignitaries and members present in the opening session.

Dr. G.R. Patel, Director of Extension Education, NAU, Navsari also welcomed the members and highlighted the aims of ZREAC and prevailing scenario of converged Research and Extension approach at National and State level. He also presented an overview of NAU Extension activities especially describing on new Extension programmes initiated *viz.* skill development in rural youths, women empowerment, public private partnership (PPP), use of ICT in agriculture, impact assessment studies, trainings on protected cultivation, farm mechanization, KVK-ATMA convergence, fuel conservation, agro-textile, etc. for the benefit of farming community. Further, he clarified on guidelines of FLDs on pulses and oilseeds and new Government programmes *viz.*, Solar with Agriculture, Mera Gaon Mera Gaurav and Agriculture Library in 184 villages of south Gujarat. He appreciated the efforts of Scientists, KVKs and Officers of line departments for adopting research-extension-farmer approach for rapid and effective transfer of technology at grass roots level. He laid emphasis on urgent need of change in feedback system from extension functionaries for making research more adaptable to the farmers.

Dr.A.N. Sabalpara, Director of Research, NAU, Navsari, in his speech, appreciated the activities carried out by University scientists and line departments during *Krishi Mahotsav* 2014, implementation of govt. schemes, preparation of C-DAP, Weather based crop-insurance schemes *etc.* He explained the valuable facts and the noble services provided by NAU in the service of farming community. He also informed the house that total 31 recommendations on different crops and 15 recommendations on organic farming was given by University during the year 2014-15. He explained about state agricultural plan and state infrastructure development plan *etc.* Moreover, he discussed about Good Agricultural Practices (GAP) for all crops, best agricultural crops, and organic farming practices in different crops submitted to the Government. Moreover, he suggested following the guidelines of CIBRC in recommendation of different chemical pesticides in various crops. He focused on low cost technologies for farmers and reduction of residual effect of agrochemicals through use of organic inputs by illustrating example of application of bio-fertilizers in sugarcane and advised for use of bio-fertilizers in all crops and also informed the house regarding adoption of Bio-fertilizers in different crops ranging from 15-40%. He discussed about farm mechanization in sugarcane, pigeon pea, mango, garlic etc. He advised about lacuna of authentic data on crop loss in different crops.

Dr. C.J. Dangaria, Hon. Vice Chancellor of NAU, Navsari, in his presidential speech, focused on dissemination of NAU recommendations and their feedback from farming communities. He suggested house to change the pattern of action taken report of ZREAC. He emphasized to the all scientists to refer crop wise guidelines developed by AICRP and cluster approach for effective conduction of demonstrations. He suggested for using vegetable varieties developed by State Agricultural universities for demonstrations.

23.1 : Presentation of Action Taken Report :

With the permission of Chair, the action points on recommendations of the last ZREAC were presented by Dr. G.B. Kalariya, Training Associate (Plant protection), ATIC, NAU, Navsari. House approved the report with a following suggestion.

Follow up on strict monitoring of mango hoppers may be carried out in Navsari and Valsad districts of South Gujarat. Committee shall submit the progress report in.

(Action : Dept. of Entomology, NMCA, NAU, Navsari)

● Session-II : Presentation of Line Departments

23.2 : Presentation of Farm trials/ Feedback by officers from Line Departments.

23.2.1 : DAO, Navsari

The DAO, Navsari presented the district profile, area, production and productivity of different crops, results of farm trails and feedback for research. The house made the following suggestion.

Taluka wise data on area and production of cut flowers may be reported.

(Action: DAO, Navsari)

23.2.2 : DAO, Valsad

Representative of DAO, Valsad presented the district profile, area, production and productivity of different crops, climatic situation, results of Farm trails and feedback for research. The house made the following suggestion.

Awareness programme on IPM in cucurbitaceous vegetables may be organized in collaboration with KVK, Ambheti, Valsad.

(Action: DAO, Valsad and KVK, Valsad)

23.2.3 : DAO, Dang

Representative of DAO, Dang presented the district profile, area production and productivity of different crops, Rainfall and feedback from farmers and for scientific community. The house made the following suggestion.

Training programmes on management of paddy stem borer in collaboration with KVK, Waghai may be conducted.

(Action: DAO, Dang)

23.2.4 : DAO, Surat

The representative of DAO, Surat presented the ZREAC report on area, production and productivity of main crops of the district. He also presented the climatic condition during the year and feedback for research. The house made the following suggestion.

- 1. Farm literature (folders) on intercropping technology in sugarcane is already available in Main Sugarcane Research Station, NAU, Navsari, hence line department may contact for the details.**
- 2. Demonstrations of Sesamum-5 variety should be conducted instead of variety Sesamum-2.**

(Action: DAO, Surat)

- 3. Demonstrations may be conducted on variety Gujarat Soybean-3**

(Action: KVK, Surat)

23.2.5 : DAO, Bharuch

The DAO, Bharuch presented detailed information of the district *viz.*, district profile, area, production and productivity of different crops, results of Farm trails.

Discussion was made on the research based feedback *viz.*, wrinkled long leaves (abnormal) of cotton, which was found severe in cotton growing areas in Bharuch district since last four years. As per the survey of Main Cotton Research Station, Surat; Research Scientist clarified the possibility of residual effect of 2,4-D on cotton. Based on this clarification, house made the following suggestions:

- 1. Air Pollution Control Board should take air samples regularly throughout the year to know the residual effect of agrochemicals on cotton crop in collaboration with DAO, Bharuch.**

(Action: DAO, Bharuch and Air Pollution Control Board)

- 2. Regular survey should be carried on wrinkled long leaves of cotton and data on air pollution may be collected from DAO, Bharuch. If it is possible, experiment may be conducted on 2-4-D under controlled condition (Poly house).**

(Action: Research Scientist, MCRS, Surat)

23.2.6 : DAO, Narmada

The DAO, Narmada presented the district profile, area, production and productivity of different crops, results of farm trails and feedback for research. The house made the following suggestions.

Number of demonstrations should be increased.

(Action: DAO, Narmada)

23.2.7 : DAO, Tapi

The DAO, Tapi presented the district profile, area, production and productivity of different crops, results of farm trails and feedback for research. The house made the following suggestions.

- 1. Hybrid paddy seed may be provided to DAO, Tapi for demonstration purpose.**

(Action: RRRS, Vyara)

- 2. Training on farm mechanization maybe organized.**

(Action: KVK, Vyara and Dept. of Agril. Engg., NMCA, NAU, Navsari)

23.2.8 : Presentation of Deputy Director of Horticulture

There was no presentation from any Deputy Director of Horticulture of South Gujarat.

(Action: Joint Director of Horticulture, Vadodara)

• Session-III : Presentation of KVKs

23.3 : Presentation by KVKs of south Gujarat

23.3.1 : KVK, Navsari

PC, KVK, Navsari presented the progress report and action plan. House has made following suggestion.

While presenting the data on FLDs results, the details of demonstrated technology must be mentioned in report.

(Action: PC, KVK, Navsari)

23.3.2 : KVK, Vyara, Dist.-Tapi

PC, KVK, Vyara presented the progress report and action plan. House suggested the following points for further action.

- 1. Experiment on banana pseudo stem sap (Novel organic liquid fertilizer) should be conducted.**
- 2. OFT and FLDs on animal science should be finalised in consultation with concerned Veterinary scientists.**
- 3. Organic cultivation in mango orchard may be taken on KVK farm.**
- 4. Feasibility of OFT in okra entitled "Assessment of stem application method of insecticides for the management of sucking pests in okra" should be dertermined in consultation with university scientists.**

(Action: PC, KVK, Vyara)

- 1. Herbal plant *SHETUR*, (*Mulberry-Morus alba*) should be evaluated for its effectiveness in treatment of mastitis.**

(Action: Veterinary College, NAU, Navsari)

23.3.3 : KVK, Waghai, Dist.-Dang

PC, KVK, Waghai presented the progress report and action plan. House suggested the following point for further action.

University product should be included in organic packages of FLDs.

(Action: PC,KVK, Waghai)

23.3.4 : KVK, Dediapada, Dist.-Narmada

PC, KVK, Dediapada presented the progress report and action plan. There was no any suggestion from the house.

23.3.5 : KVK, Surat

PC, KVK, Surat has presented the progress report and action plan. There was no any suggestion from the house.

23.3.6 : KVK, Chasvad, Dist.-Bharuch

PC, KVK, Chasvad has presented the progress report and action plan. There was no any suggestion from the house.

23.3.7 : KVK, Ambheti, Dist.-Valsad

PC, KVK, Ambheti has presented the progress report and action plan. There was no any suggestion from the house.

● Session-IV : Farmers' feedback

23.4 : During this session, following progressive farmers from each district shared their views, experience and important feedback to the house.

23.4.1 : Shri Chimanbhai K. Patel, Vansda, Dist.-Navsari

He shared his experience of SRI technology in paddy. He got highest paddy yield of 3040 kg from 3000 m² area (30 *guntha*). He described about the package of practices carried out by him in SRI technology. He also suggests that each farmer should adopt SRI technology in paddy.

23.4.2 : Shri Maheshbhai Gamit, Ukhaldia, Ta. Songadh, Dist. Tapi

He shared his experience and informed the house regarding virus disease problem in okra and cucurbitaceous crops in Tapi district. Maheshbhai also drew the attention of the house on failure of ratoon sugarcane crop.

23.4.3 : Shri Gangarambhai Pawar, Dist.-Dang

He shared his experience in IPM technology in Okra crop grown in tribal areas of Dang district. He also expressed his satisfaction of diagnostic services provided by KVK, Waghai.

23.3.4 : Shri Ashwinbhai Vasava, Rajpipla

He mainly discussed about the severity of Sigatoka disease in banana growing areas of Narmada and Surat districts. He shared his experience regarding low production in vegetables after 2-3 growing seasons. Finally, he stressed to motivate the farmers for medicinal plants cultivation.

23.4.5 : Shri Manharbhai Patel, Umbhel, Ta. Kamrej, Dist.-Surat

Manharbhai Patel shared his experience on organic farming. He put his view for more promotional incentives from the Government.

23.4.6 : Shri Babubhai L. Patel, Dist.-Valsad

He discussed about organic farming and emphasized on minimization of the use of agrochemicals by using organic inputs.

23.4.7 : Shri Navinbhai Chaudhary, Dist.-Bharuch

Navinbhai mainly shared his own experience on disease problems in watermelon cultivation due to mono-cropping.

The meeting ended with a vote of thanks to the Chair by Dr. G. B. Kalariya, Training Associate (Plant protection), ATIC, NAU, Navsari.



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Navsari Date : 07/11/2015

Director of Extension Education

CFWC to :

1. Director of Research, NAU, Navsari
2. All the University Officers of NAU
3. All the Head of all Unit/Sub-Unit Offices of NAU
4. All the Concerned Scientists/Professors of NAU
5. Joint Director of Agriculture, Surat / Vadodara
6. Joint Director of Horticulture, Vadodara
7. District Agricultural Officer, Navsari/Valsad/Bharuch/Surat/Narmada/Tapi/Dangs
8. Deputy Director of Horticulture, Navsari/Valsad/Bharuch/Surat/Narmada/Tapi/Dangs
9. Deputy Director of Animal Husbandry, Navsari/Valsad/Bharuch/Surat/Narmada/Tapi/Dangs
10. All the progressive farmers attended the ZREAC

Note : Minutes forwarded after getting approval of Hon. Vice-Chancellor.