

Director of Extension Education
Navsari Agricultural University
Navsari, 396450

**Proceedings of 27th meeting of Zonal Research and Extension Action Committee (ZREAC)
held on 7th October, 2017 at Sardar Training Hall, SSK, NAU, Navsari**

Session I: Inauguration and Action Taken Report

At the outset, Dr. G.B. Kalariya, Training Associate (Plant Protection), T&V, NAU, Navsari welcomed the dignitaries, officials of line departments, University scientists and farmers.

Dr. G.R. Patel, Director of Extension Education, NAU, Navsari welcomed all the members and stated about the importance of ZREAC. He discussed about recent scenario of organic farming. He stated that the government gives more importance on organic farming but also worried about marketing of the organic products of the farmers. He suggested that marketing problems can be overcome by making groups of organic farmers and co operatives. He also advised the house to give more weightage on research component at farmer's field, direct interaction between farmers to scientists, women empowerment, drudgery reduction *etc.* For doubling the income of the farmer, he suggested to follow integration of goat farming, poultry farming, milch animals rearing, bee keeping, value addition with agriculture.

Mr. K. D. Panchal, Joint Director (Agriculture), Surat summarized the farmers' need. He worried about recent status of farming and informed house that today there are many challenges which are being faced by farmers due to climate change and global warming. He advised to make discussion on soil health, disease control *etc.* and resolve the problems of farmers. He also discussed about government goal regarding doubling income of farmers by 2022. For that he suggested to develop proper guideline and road map and then work on it.

Mr. S.S. Ganvit, Joint Director (Horticulture), Surat emphasized to give more importance on quality production of agricultural products for export. He also informed about introduction of new horticultural crop in our area and established their processing for value addition.

Mr. M. K. Kureshi, Joint Director of Agriculture, Baroda discussed regarding importance of the meeting and suggested to present recent released recommendations and those research which is in the pipeline. He advised the extension workers to put emphasis on demonstrations, farmer field school and scientist -farmer interactions.

Dr. S. R. Chaudhary, Director of Research and Dean PG studies appealed the extension workers to identify the issues related to agricultural problems and carry to the university for research purpose. He said to the house that animal rearing is also important for betterment agriculture and organic farming.

Hon'ble Vice Chancellor of NAU, Navsari, Dr. C. J. Dangaria considered the ZREAC as a platform to discuss the core issues of the field where the line department officers, Scientists and farmers representatives can interact on OFT, FLD, new technology and farmer's feedback. He discussed about doubling income of farmers by 2022. For that he advised the farmers to adopt various tools for decrease production cost and increase profit by use of low cost inputs,

value addition, integrated farming, direct selling *etc.* He informed house regarding Public Green System (PGS) Govt. website for registration of organic farmers. He also advised to solve the marketing problems by formulating more organic farmer's groups and group brand (logo).

27.1: Presentation of Action Taken Report:

- Chairman** : Dr. C. J. Dangaria, Hon. Vice Chancellor, NAU, Navsari
Co-Chairman : 1. Dr. S.R. Chaudhary, Director of Research, NAU, Navsari
2. Dr. G.R. Patel, Director of Extension Education, NAU, Navsari
3. Mr. K. D. Panchal, Joint Director Agri, Surat
Rapporteurs: (1) Dr. J. H. Rathod (2) Dr. H. C. Parmar

With the permission of Chair, the action taken on suggestions of the 25th ZREAC were presented by Dr. G.B. Kalariya, Training Associate (Plant Protection), ATIC, NAU, Navsari. House approved the report with following suggestions.

27.1.1: To frame out the OFT on wilt and pseudostem weevil management in banana on farmer's field on the basis of recommendation given by NAU.

(Action: SS&H, KVK, Surat)

27.1.2: Inform to scientists (Plant Pathology & Entomology), ASPEE Collage at the time of wilt problem in mango orchard.

(Action: KVK, Bharuch)

27.1.3: Frame out the experiment on organic control of Tea mosquito bug in cashew nut.

(Action: AES, NAU, Paria)

Session II: Technical Session

27.2: Presentations of Farm trials/ Feedback by officers from Line Departments, DAOs

- Chairman** : Dr. C. J. Dangaria, Hon. Vice Chancellor, NAU, Navsari
Co-Chairman : 1. Dr. S.R. Chaudhary, Director of Research, NAU, Navsari
2. Dr. G.R. Patel, Director of Extension Education, NAU, Navsari
3. Mr. M. K. Kuresi, Joint Director Agri., Vadodara.
Rapporteurs: (1) Dr. J. H. Rathod (2) Dr. H. C. Parmar

The DAOs', Navsari, Valsad, Dangs, Surat, Tapi, Bharuch and Narmada presented the district profile, land use pattern, rainfall, area, production and productivity of different crops, results of farm trials, planning of *rabi-summer*, 2016, and feed back for research. The house made following suggestions.

27.2.1: DAO, Navsari: Nil

27.2.2: DAO, Tapi:

27.2.2.1 Use the new variety of wheat in FLD instead of Wheat 496.

(Action: DAO, Tapi)

27.2.3: DAO, Dang: Nil

27.2.4: DAO, Surat; Nil

27.2.5: DAO, Bharuch:

27.2.5.1 Frame out demonstrations on KRL-19 and KRL-210 varieties of wheat by procuring seed from DAO, Valsad.

(Action: DAO, Bharuch)

27.2.6: DAO, Narmada: Nil

27.2.7: DAO, Valsad: Nil

Session III: Presentations by officers from other Departments

27.3: Department of Horticulture

The detail report about schemes, infrastructure and production and productivity of horticulture crops in South Gujarat was presented by Deputy Director Horticulture, Tapi. House appreciated the information provided during his presentation.

Session IV: Presentation by SS&H, KVKs, N.A.U., Navsari

27.4: Krishi Vigyan Kendras

Chairman : Dr. G. R. Patel, Director of Extension Education, NAU, Navsari

Co-Chairman : Dr. B. N. Patel, Principal & Dean, ACHF, Navsari

Chairman

Rapporteur : (1) Dr. J. H. Rathod (2) Dr. H. C. Parmar

All the KVKs presented their activities, progress report and action plans. House has approved all these reports with following suggestions.

27.4.1: KVK, Navsari: Nil

27.4.2: KVK, Vyara: Nil

27.4.3: KVK, Waghai:

27.4.3.1 To conclude OFT on “Varietal evaluation of okra during Rabi season in Dang”.

(Action: KVK, Waghai)

27.4.4: KVK, Narmada: Nil

27.4.5: KVK, Bharuch: Nil

27.4.6: KVK, Ambhethi: Nil

27.4.7: KVK, Surat:

27.4.7.1 To organize meetings on organic farming for awareness of farmers.

(Action: KVK, Surat)

Session V: Scientists/officers and farmers talk

Chairman : Dr. G. R. Patel, Director of Extension Education, NAU, Navsari

Co-Chairman : Dr. B. M. Patel, Asso. Prof., ACHF, Navsari

Chairman

Rapporteur : (1) Dr. J. H. Rathod (2) Dr. H. C. Parmar

27.5: Informative talks by Scientists/officers

27.5.1: Dr. Anand Kaswala, Asso. Prof., NAU, Navsari informed the house about research activities on organic farming are being carried out at NAU farm, Navsari. He also gave detail information regarding “Jivamrut, Panchgavya and Amrutmitti” and its method of soil and spray application. He also mentioned that its quick result is due to growth hormones present in the liquid.

27.5.2: Dr. S. Tejani (VO, Bardoli) informed house that the South Gujarat having more population of HF cross cattle. The main fodder in south Gujarat is sugarcane tops and paddy straws for animal feeding. Sugarcane tops contain calcium oxalates which

cause more deficiency of calcium in milch animals as well as paddy straws having low nutritional value. These both factors are the constraints particularly in South Gujarat in milk production of HF cross animals. He also informed that more use of cotton seed containing gossypol toxin compound as animal feed cause infertility and repeat breeding problems in productive animals.

27.6: Farmers feed back

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

27.6.1: Pinakinbhai Patel(Navsari District): He shared his experience of cultivation of drill paddy and sugarcane and appreciated support provided by KVK and Navsari Agricultural University to the farmers of the Navsari District. He needs information on application of Phosphorus and Potash solution spray available in market.

27.6.2: Jayaben Bahratbhai, (Navsari District): She shared her experience regarding cultivation of Paddy, sugarcane and sapota.

26.6.3: Chhotubhai Patel, (Dang District): He shared his experience on Mango, Coconut and paddy.

26.6.4: Pavanbhai Bhamre, (Lachhkadi, BAIF): . He shared his experience on Vadi Project. He also cultivated mango and cashew nuts. He needs biological control of tea mosquito bug in cashew nuts and leaf webber in mango.

26.6.5: Ghelabhai Patel, (Surat District): He shared his experience of cultivation of sugarcane, Parval and appreciated KVK work done in his areas. He needs control of Wilt in Parval.

26.6.6: Laxmiben Patel, (Navsari District): She shared her experience of cultivation of mango and onion and she also informed that desi variety of onion having good keeping quality and stored for long time.

26.6.7 General feedback:

Following feedback were emerged out which may be helpful in initiating the new research in concern area.

1. Weed management in organic farming.
2. Herbal pesticides for management of pest and diseases in relation to organic farming.
3. Preparation and testing of Amrutmitti, Amrutjal, Jivamrut and Punchgavya as the farmers are using these products in organic farming.
4. Develop salt reclamation bio-fertilizers.
5. Need of development of low cost small unit for processing of banana stems which is utilized by farmers on their fields from waste banana stems after harvesting.

(Action: All concerned departments of NAU)

The meeting was ended with vote of thanks to the chair by Dr. G.B. Kalariya, Training Associate (Plant Protection), T&V, NAU, Navsari.

Moreover, all concerned were requested to send the item-wise action taken report pertaining to your centres/offices on the proceedings of the meeting by **e-mail ID: tvs@nau.in**, latest by date 05-11-2017.



No. NAU/DEE/D-1/web-64/17
Navsari, Date : 16/10/2017

Director of Extension Education
Navsari Agricultural University
Navsari

CFWR to:

1. Director of Research, NAU, Navsari
2. All University officers of NAU
3. All Heads of 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. Regional Joint Director (Veterinary), Vadodara
8. District Agricultural Officer, Navsari/ Valsad/ Bharuch/ Surat/ Narmada/Tapi/ Dangs
9. Deputy Director of Horticulture, Navsari/ Valsad/ Bharuch/ Surat/ Narmada/Tapi/ Dangs
10. Deputy Director of Animal Husbandry, Navsari/ Valsad/ Bharuch/Surat/Narmada/Tapi/ Dangs
11. All the progressive farmers who attended the ZREAC meeting.

For the kind information.....