

Proceedings of 29th meeting of Zonal Research and Extension Action Committee (ZREAC) held on 11th October, 2018 at Sardar Training Hall, SSK, NAU, Navsari

► **Session I : Inauguration and Discussion on Action Taken Report**

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

Dr. G.R.Patel, Director of Extension Education, NAU, Navsari also welcomed all the members and delineated about the objectives and importance of ZREAC in special reference to feedback mechanism. He informed the house about the different innovative extension programmes and activities carried out during last 10 months by the University. He appealed the officials of the line departments, University scientists and extension functionaries to work together in convergence mode for reaching to the large number of the farmers in South Gujarat.

Shri N.K. Gabani, Joint Director (Agriculture), Surat suggested scientists to focus on research work pertaining to climate change, global warming, maintenance of soil health and eco-friendly plant protection measures for solving the problems of farmers. He also deliberated on doubling farmers' income, promotion of organic farming and present needs of the farmers in terms of remunerative farming for their comfort survival.

Shri M.K. Kureshi, Joint Director (Agriculture), Vadodara advised extension functionaries to present important feedback of their concerned districts very precisely which may be of helpful to research system. He shared his view on usefulness of farmer-scientist interaction programmes in solving the location specific problems and issues being faced by the farmers. He also stressed to work on low cost eco-friendly new technologies for small & marginal farmers in organic farming & its certification for doubling the farmers' income. He elaborated the importance of ZREAC meeting and appreciated the initiatives taken by Director of Extension Education, NAU, Navsari in restructuring of present pattern of ZREAC meeting.

Dr. S.R. Chaudhari, Director of Research and Dean PG studies, in his presidential speech, admired the Scientists' restless endeavour in making big number of research recommendations particularly for the farming community. He also put positive remarks with appreciation on bond and amity being prevailed amongst the NAU and Line departments in carrying out various converged extension activities for raising the agricultural production and up-scaling the living standard of the farmers of South Gujarat. He informed the house about introduction of new horticultural crop viz; dragon fruit, avocado, passion fruit *etc.* in South Gujarat. He appealed the extension workers to identify the specific issues and problems faced by the farmers and carry them as feedback to the University for seeking appropriate solution or for further research. He informed the House about Fall Army Worm (FAW), a new devastating emerging insect-pest, presently being seen in the maize and other crops.

29.1 : Presentation of Action Taken Report:

- Chairman: Dr. S.R. Chaudhari, Director of Research and Dean PG studies, NAU, Navsari
- Co-Chairman: 1. Dr. G.R. Patel, Director of Extension Education, NAU, Navsari
2. Mr. N. K. Gabani, Joint Director of Agriculture, Surat
3. Mr. M. K. Kureshi, Joint Director of Agriculture, Vadodara
- Rapporteurs: (1) Dr. Hemant Sharma (2) Sh. N. M. Thesiya

With the permission of Chair, Dr. G.B. Kalariya, Training Associate presented the action taken report of 27th ZREAC meeting and house approved the same.

► Session II : Technical Session

29.2 : Discussion on Recommendation and Presentation of Feedback by DAOs, Officers of Line Departments

- Chairman: Dr. S.R. Chaudhari, Director of Research and Dean PG studies, NAU, Navsari
- Co-Chairman: 1. Dr. G.R. Patel, Director of Extension Education, NAU, Navsari
2. Mr. N. K. Gabani, Joint Director of Agriculture, Surat
3. Mr. M. K. Kureshi, Joint Director of Agriculture, Vadodara
- Rapporteurs: (1) Dr. Hemant Sharma (2) Sh. N. M. Thesiya

29.2.1 Recommendation Session:

Scientists of various disciplines *viz.*, Crop improvement, NRM, Plant protection, Horticulture, Forestry, Agril engineering, Animal health, Animal production and Fisheries presented the farmers recommendations approved during 14th Combine Joint AGRESCO Meeting for the information of house and officials of line departments. These Scientists also informed the house about various research activities being carried out by the University.

29.2.2 Feedback from the Officials of the Line Departments:

The DAOs' of six districts *viz.*, Navsari, Valsad, Dangs, Surat, Tapi and Narmada presented the district profile, land use pattern, rainfall, area, production & productivity of different crops, results of farm trials, planning of *rabi-summer* 2018-19 and feedback for research. During the discussion, the house suggested the following suggestions.

29.2.2.1 DAO, Navsari presented the feedback about the infestation of fall armyworm in maize. House suggested to use the recommended insecticides and bio pesticides in organic farming. For procuring the seeds, may be contact to Mega Seed Unit, NAU, Navsari.

29.2.2.2 DAO, Valsad presented the feedback. He said about the need of trainings on organic farming for awareness of the farmers of Dharampur & Kaprada Talukas.
(**Action:** DAO Valsad & KVK, Ambheti)

29.2.2.3 DAO, Dangs presented the feedback and house suggested that hybrid varieties can be used in organic farming. They recommended use of integrated approaches for the management of rice stem borer without any insecticide in organic farming and also use natural products like gum or aritha as sticker/ spreaders with botanical products.

29.2.2.4 DAO, Surat presented the positive feedback for the single-bud planting instead of traditional planting method in sugarcane cultivation and said that most of farmers in Surat district are switching to this eco-friendly technique.

29.2.2.5 DAO, Tapi presented the feedback and house suggested to use of neem based bio pesticides, cultural practices, mechanical practices and natural substances in organic okra cultivation. The house also suggested to endorse the variety CoN 13072 for single-bud technique in sugarcane cultivation.

29.2.2.6 DAO, Bharuch: Absent

29.2.2.7 DAO, Narmada presented the report and house did not suggest any comment.

29.2.3 Feedback by officers from Department of Horticulture

Shri Dinesh Padaliya (Deputy Director of Horticulture), Surat presented the report on horticultural development in all seven districts of South Gujarat. He said there is a research need in the field of new crops like pineapple, strawberry and dragon fruit cultivation for organic farming and their marketing. House appreciated the information provided during his presentation. House suggested to make a programme for joint visit of line department and horticulture scientists of ACHF, NAU, Navsari for pineapple and strawberry fields along with KVK scientists in Dang district.

► Session III: Presentations by officers from other Departments– Nil

► Session IV: Farmers feedback & presentation by SS&H, KVKs, NAU, Navsari

Chairman: Dr. G. R. Patel, Director of Extension Education, NAU, Navsari
Co-Chairman: 1. Dr. B. N, Patel, Dean & Principal, ACHF, NAU, Navsari
2. Mr. N. K. Gabani, Joint Director of Agriculture, Surat
3. Mr. M. K. Kureshi, Joint Director of Agriculture, Vadodara
Rapporteurs: : (1) Dr. Hemant Sharma (2) Sh. N. M. Thesiya

29.4.1: Farmers feed back

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

29.4.1.1 Smt. Jyotiben (Surat District): She shared her experience of cultivation of paddy with special reference to GR-13 and appreciated the support provided by KVK and Navsari Agricultural University to the farmers of the Surat District. She also informed that desi tur having light bold seeds are good for feeding purpose. She also shared her experience regarding preparation and scientific testing of Jivamrut and other organic pesticides in organic farming.

29.4.1.2 Induben, (Tapi District): She shared her experience for preparation of ayurvedic hair oil at home and its marketing and also organic cultivation of okra.

29.4.1.3 Gambhir Bhai, (Narmada District): He shared his experience on protected cultivation, especially in cucumber crops and use of Gir cow dung and urine in organic cultivation. He also appreciated KVK work done in his areas.

29.4.2: Krishi Vigyan Kendras

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

29.4.2.1: KVK, Tapi

29.4.2.1.1 Provide samples of okra plucker tool to department of agricultural engineering, NAU, Navsari for further improvement in tools.

29.4.2.1.2 Soil testing must be done before and after application of bio fertilizer in all crops.

(Action: KVK, Tapi)

29.4.2.2: KVK, Narmada

29.4.2.2.1 Contact with SS & H, KVK, Tapi for availability of mushroom spawn.

29.4.2.2.2 Endorse GJG-3 variety of gram for rainfed areas.

29.4.2.2.3 Contact with SS & H, KVK, Waghai for availability of GM 6 variety of green gram.

(Action: KVK, Narmada)

29.4.2.3: KVK, Waghai

29.4.2.3.1 Specify the applicable agricultural tools name and send it to department of agricultural engineering, NMCA, NAU, Navsari for further modification.

29.4.2.3.2 Depart. of vegetable, ACHF, Navsari will provide okra varieties for screening in FLDs.

(Action: KVK, Waghai)

29.4.2.4: KVK, Surat

29.4.2.4.1 Samples of deformed panicles of paddy will submit to department of Plant Pathology, NMCA, NAU, Navsari.

29.4.2.4.2 Presented the problem of vine borer in pointed guard and nematode in various crops in Surat district. House decided for the above problem, contact with department of Entomology and Plant Pathology, NMCA, NAU, Navsari.

(Action: KVK, Surat)

29.4.2.5: KVK, Navsari

29.4.2.5.1 Farmers are using various non chemical products in organic farming, provide information to ATIC, NAU, Navsari regarding content & preparation method of these organic products as per farmer technique.

(Action: KVK, Navsari)

29.4.2.6: KVK, Ambheti: Nil

29.4.2.7: KVK, Bharuch: Nil

29.4.3 General feedback

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

1. All Senior scientist & Head, KVK informed the house that banana pseudo stem sap liquid fertilizer (Nauroji Novel) technology performed well on farmer's field.
2. Need to develop low cost decorticator cum grinding for neem seed kernels.
3. Increase awareness among farmers for judicious use of fertilizers, chemicals, weedicides and insecticides.


(Action: SS & H, All KVK, NAU & other KVK)

4. Use of recommended pesticides as per CIB guidelines.
5. For the training on lac cultivation, interested group can contact department of entomology, NMCA, Navsari.
6. Presentation must be identical as per report data and information.

(Action: Line Dept.)

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

Moreover, all concerned were requested to send the item-wise action taken report pertaining to their centres/offices on the proceedings of the meeting by e-mail ID: tvs@nau.in, latest by date 30-12-2018.



Director of Extension Education
Navsari Agricultural University
Navsari

No. NAU/DEE/D-1/4041-4160/2018
Navsari, Date: 20/11/2018

CFWR to:

1. All University officers of NAU, Navsari
2. All Heads of Unit/Sub- Unit offices of NAU, Navsari
3. All the concerned scientists/ professors of NAU, Navsari
4. Joint Director of Agriculture, Surat/ Vadodara
5. Joint Director of Horticulture, Vadodara
6. Regional Joint Director (Veterinary), 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 who attended the ZREAC meeting

For the kind information.....