

**Directorate of Extension Education
Navsari Agricultural University
Navsari, 396 450**

**Proceedings of 25th meeting of Zonal Research and Extension Action Committee
(ZREAC) held on 14th October, 2016 at Sardar Training Hall, SSK, NAU, Navsari**

Session I: Inauguration and Action Taken Report:

The meeting was started with the warm verbal welcome by Prof. S.R. Kumbani, Assistant Extension Educationist, Directorate of Extension Education, NAU, Navsari.

Dr. G. R. Patel, Director of Extension Education, NAU, Navsari also welcomed all the members of house. On behalf of Hon'ble Vice Chancellor, NAU, Navsari, he said to emphasised on farmers' feedback regarding the demonstrated technologies either it may be positive or negative in order to make the technology more acceptable to the farming community. He informed the house about new programmes viz., plug tray nursery, soil health card analysis, SRI technique in paddy, post harvest technology, MGMG, adaptive trials on university technologies, mission mode programme on farm mechanization through trainings and demonstrations. Dr. Patel also emphasized on more number of demonstrations should be organized by KVKs, to increasing productivity of pulses and oilseeds Further, he appreciated the collaborative work of extension personnel's of KVK, ATMA, and line departments of South Gujarat for transfer of technology.

Mr. K.D. Panchal, Joint Director of Agriculture, Surat/badodara emphasized on the importance of the ZREAC. He suggested the one session in ZREAC may be on newly recommended university technologies so that knowledge of all the officers of line department may be updated. He appreciated the work of extension functionaries for controlling infestation of the pink ball worm in cotton through awareness programme on use of pheromone traps. He also suggested to develop crop wise organic package of practices and reducing green house effect.

Joint Director, Department of Horticulture, Vadodara, Mr. B.U. Parmar, stated that South Gujarat is a epicenter for horticulture and the share of horticulture in the GDP of India is still stable at a 25 % since long time which has been possible through increased in area, production, colleges, research, budget for various scheme to this sector from Government. He also informed house to take benefit and cooperation of state department in terms of budgetary provision for implementing various project like protected cultivation, post harvest technology, value addition, center of excellence, HDP, IPDM, MIS, introduction of new & emerging crops.

Dr. N.K. Rohit, Regional Joint Director (Veterinary), highlighted the importance and scope of animal husbandry along with agriculture sector and advised to create awareness among the farmers about I-Khedut portal for taking advantage of various schemes of department and also inform regarding establishment of ICDP office at Navsari and Veterinary Clinics in Dangs and Tapi districts.

Dr. K.A. Patel, Associate Director of Research, NAU, Navsari, mentioned that the first Hybrid- GNRH-1 in paddy have been released by the university. He appreciated the work of FRS, Gandevi and SWMRU, Navsari for their outstanding work in research and obtained the

first place at National level. He highlighted the work of university in organic farming, biofertilizers and banana sap.

Dr. M. K. Arvadia, Principal and Dean, N. M. College of Agriculture, Navsari and President of the function stated in his presidential speech about the importance of ZREAC for deciding the road map towards research programme on the basis of farmer's feedback and to do refinement as per need. He also suggested to official's of line departments for nominating their staff to participate in *AGRESCO* meeting of various faculties at university level in order to keep update with new recommendations and ongoing research results. He also focused on need of increasing production of pulses, oilseeds, cereal crops and animal husbandry.

25.1: Presentation of Action Taken Report:

With the permission of Chair, the action taken points on suggestions of the 23rd ZREAC were presented by Dr. G. B. Kalariya, Training Associate (Plant Protection), ATIC, NAU, Navsari and the report was approved by the house.

Session II: Technical session

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

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.

25.2.1: DAO, Navsari

1. Increase number of demonstrations on oilseed crops.

(Action: DAO, Navsari)

2. Give recommendation on reasonable price-rates of agricultural commodities to farmers.

(Action: Principal, ABM College, Navsari)

25.2.2: DAO, Valsad

1. Use early variety GT 102 of pigeon pea crop for winter season.

(Action: DAO, Valsad)

25.2.3: DAO, Dangs

1. Use the resistant variety of paddy against false smut of rice (*galat angariyo*).

(Action: DAO, Dangs)

25.2.4: DAO, Surat

1. Follow preventive measures for laptospirosis.
2. Contact to SWMRU, NAU, Navsari for information on solar panel

(Action: DAO, Surat)

25.2.5: DAO, Tapi

1. Conduct awareness programs for use of pheromone traps in cotton for controlling pink ball worm and growing refugee crop around it.
2. Spraying of banana pseudostem sap (Novel organic liquid fertilizer) in okra for quality production.

(Action: DAO, Tapi)

25.2.6: DAO, Bharuch

1. Select high value crops which require lesser nutrients for organic farming.

(Action: DAO, Bharuch)

25.3: Presentations by officers from Line Departments, DDH.

DDH, Dangs, Navsari, Surat, Bharuch, Tapi presented the over view on development of horticulture and implementation of various schemes in the district. The house made following suggestions.

25.3.1: DDH, Dangs

1. Contact Dr. A.R. Kasawala, ARS, ACHF, NAU, Navsari for package of practices of organic in different crops.

(Action: DDH, Dangs)

25.3.2: DDH, Bharuch

1. Give more emphasis on demonstrations on use of banana sap.

(Action: DDH, Bharuch)

25.4: Presentation by Deputy Director of Animal Husbandry, Navsari

- 25.4.1:** DDAH, Navsari discuss the over view on development of animal husbandry and implementation of various schemes and also highlighted regarding awareness programme on various disease like Deworming, FMD, PPR & vaccination programme in the district.

25.5 Presentation of KVKs:

PC, KVK, Navsari/Vyara/Waghai/Narmada/Surat/Bharuch and Valsad presented the progress report and action plan. The house made following suggestions.

25.5.1: KVK, Waghai

1. In new OFT on okra write farmer's variety and released variety in treatments instead of local variety and GAO 5.

(Action: PC, KVK, Waghai)

25.5.2: KVK, Dediapada

1. Give data of ancillary observation in FLDs of IPDM in terms of % disease or pest infestation or control.

(Action: PC, KVK, Dediapada)

25.5.3: KVK, Surat

1. OFT on Nutritional enrichment of local grass *Bhatedu* should be presented in Social Science *AGRESCO* for further research study.
2. Frame out an experiment on wilt and pseudostem weevil management in banana on farmer's field in collaboration with other university scientist.

(Action: PC, KVK, Surat)

25.5.4: KVK, Bharuch

1. Inform to concerned department scientist regarding occurrence of wilt problem in mango.
2. Timely sowing of wheat varieties should be done in farm trials.

(Action: PC, KVK, Chaswad)

25.6: AES, NAU, Paria

Res. Scientist, AES, Paria presented the progress report and action plan. The house made following suggestions.

1. Increase awareness programmes on control of Tea mosquito in cashew nut.
2. Submit report to DoR, NAU, Navsari regarding mango malformation in grafts.

(Action: Res. Scientist, AES, Paria)

Session –III: Farmer's feedback:

25.7 Farmer representative

Progressive farmers were share their views, experience and important feedback to the house.

25.7.1: Shri. Nitishbhai Dhum, Dangs

He shared his experience on traditional farming and animal husbandry in the Dangs and suggested for creation of market facility and availability of irrigation water for farming.

25.7.2: Shri. Monojbhai N. Patel, Surat

He shared his experience on organic farming in drumstick, guava, mango, sugarcane and turmeric using Jeevamrut and also dehydration of drumstick for powder making. He also suggested planting of sugarcane in North-South direction for more yield with use of less planting material.

25.7.3: Shri. Prakashbhai A. Patel, Valsad

He talked on advantage of SRI in paddy and organic cultivation of tomato with good market.

25.7.4: Shri. Vimalbhai Choudhary, Tapi

He suggested to develop hybrids in paddy, okra, brinjal and other vegetables by university so that farmers can get seeds at a cheaper rate.

25.7.5: Shri. Rasikbhai, Narmada

He shared his experience regarding scientific way of marigold cultivation (with pinching) and also got better yield and remunerative prices.

25.7.6: Shri. Prakashbhai A. Patel, Valsad

He shared his idea of *Rushi Krishi Bhakti Pheri* and weekly farmers meeting for promoting organic farming in his area and also to create market through self efforts instead of depending on merchants.

General suggestions made by the house:

1. Action taken report should be submitted or convey timely to DEE, NAU, Navsari.
2. The data of farm trials must be presented in respective ZREAC *i.e.* previous year's *rabi-summer* results in current *rabi-summer* ZREAC and likewise for *kharif*.
3. Give information of new *Krishi* Library addresses to DEE, NAU, Navsari.
4. Report should be presented in LMG-Arun or Shruti fonts.

(Action 1 to 4: All line departments)

5. Write a letter to Director of Agriculture, Gandhinagar, Gujarat regarding that the 100 % water soluble fertilizers are not economically viable in crop production.
6. Preparation of literature and conduct training on organic farming for officials of line department at university level.
7. One session of new research recommendation should be incorporated in each ZREAC.

(Action 5 to 7: DEE, NAU, Navsari office)

The meeting was ended with vote of thanks to the chairman, co-chairman and all the members of ZREAC 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 centre/office on the proceedings of the meeting by **e-mail ID tvs@nau.in**, latest by 20-11-2016.



No. NAU/DEE/D-1/4258-4363/16,
Navsari, Date : 10/11/2016

**Director of Extension Education
Navsari Agricultural University
Navsari**

CFWR to: (for kind necessary information and action)

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