

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

**Proceedings of 24th meeting of Zonal Research and Extension Action Committee
(ZREAC) held on 9th February, 2016 at Sardar Training Hall, SSK, NAU, Navsari.**

Session I: Inauguration and Action Taken Report

At the outset, Dr. G.B. Kalariya, Training Associate, O/o Directorate of Extension Education, NAU, Navsari welcomed the dignitaries, officials from line departments, University scientists and farmers.

Dr. G. R. Patel, Director of Extension Education, NAU, Navsari also welcomed members and highlighted the importance of ZREAC, a platform for interaction between officials of line departments and scientists of the university on utility of university technologies, their feedback and scope of refinement if any. He described in details new initiatives taken by the University with respect to Mera Gaon Mera Gaurav, Sub Mission on Farm Mechanization, celebration of world soil day, Celebration of Jai Kishan Jai Vigayn week, Voice messages and Dial out conference with Reliance foundation. He awared the house about programmes taken on energy conservation, petroleum conservation, MOU with GIPCL for providing technical support in conducting research in-between space of solar panels, training to the officials of Horticultural Departments. He also narrated success achieved in implementation of adaptive trial scheme by KVKs for large scale adoption of proven technologies in farmers' field. Under this scheme demonstrations were given on sorghum GJ 38, GJ 39, pigeon pea Vailshali, Paddy NAUR 1, GNR3, GAR 13 along with SIRA and SRI technology, IPDM, INM in different crops, Banana sap *etc.* There was an increase of 10-25 % in yield of okra by using banana sap based NAUROJI Novel Organic Liquid Fertilizer.

Dr. K.A Patel, Associate Director of Research suggested to promote extension activities in rejuvenation of old mango orchards, organic farming, Banana sap based NAUROJI liquid organic fertilizer. Increase awareness regarding mitigation of pink boll worm problems in cotton, crop diversification in Bharuch (Tanchha area) with pomegranate, guava, ber, mango, baby corn maize with drip irrigation *etc.*

Mr. K.D. Panchal, Joint Director, Department of Agriculture, Surat emphasized for second green revaluation by bringing waste land and problematic land under cultivation. He also informed the house regarding organic policy laid by Government of Gujarat, convergence period subsidy to the farmers. He also urged scientist to conduct research for crop specific technologies for organic farming as well as on effect of climate change on mango and ways to mitigate them. Mr. M. K. Kureshi, Joint Director, Department of Agriculture, Vadodara mentioned the incidence of pink boll worm in Bharuch, middle Gujarat and Saurashtra. He also discussed organic farming policy and more emphasis has to be given for small scale farm mechanization. He requested that now recommendations should be based on climate requirement not on periods and stressed upon use of ICT to reach the target group.

Dr. M. K. Arvadia, Principal and Dean, N. M. College of Agriculture, Navsari and president of the function in his presidential speech accentuated on food grain losses in storage and post

harvest losses in fruits and vegetables. He mentioned 35 % losses in storage house which need to be taken care by constructing more number of good quality go-downs. He also stressed upon increasing small scale farm mechanization in tribal area. He also worried about reduction in groundnut area which is replaced by cotton and there is an urgent need for go for crop diversification and select crop according to market need.

24.1 : 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.

Session –II: Presentation of Line Departments

24. 2: Presentations of Farm trials/ Feedback by officers from Line Departments

24.2.1 : DAO, Navsari

The DAO, Navsari presented the district profile, area, production and productivity of different crops, results of farm trials and feed back for research. The house made following suggestions.

Due care has to be taken for insect pests and diseases while selecting Bangaro (Raj Bangaliyu) variety of rice in organic farming. Take NAUR – 1 variety instead of Bangaro

(Action: DAO, Navsari)

24.2.2 : DAO, Valsad

The DAO, Valsad presented the district profile, area, production and productivity of different crops, results of farm trials and feed back for research. The house made following suggestions.

Conduct demonstrations on Soybean using GS 3

(Action: DAO, Valsad and KVK, Valsad)

24.2.4 : DAO, Dang

The DAO, Surat presented the district profile, area, production and productivity of different crops, results of farm trials and feed back for research. The house made following suggestions.

(1) Take FLDs on Nagli variety GN-6.

(2) For processing of vari made efforts to test de-husking and policing at farmers door step.

(Action: DAO, Dang)

(3) Research on developing new variety of French bean should be initiated

(Action: ASPEE College of Horticulture and Forestry, Navsari)

24.2.5 : DAO, Surat

The DAO, Surat presented the district profile, area, production and productivity of different crops, results of farm trials and feed back for research. The house made following suggestions.

(1) Take demonstrations on banana sap based NAUROJI novel organic liquid fertilizers

(Action: DAO, Surat)

(2) Work should be initiated on establishment of correlation between *Leptospirosis* and Rodents, if any.

(Action: Veterinary College, Navsari)

24.2.6 : DAO, Tapi

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

Initiate Research on Lac insect

(Action: ASPEE College of Horticulture and Forestry, Navsari)

24.2.7 : DAO, Bharuch

The DAO, Bharuch presented the district profile, area, production and productivity of different crops, results of farm trials and feed back for research. The house made following suggestions.

Make committee comprises of Scientists from university, officers from pollution control board and District Agricultural officer with consultation of collector for monitoring pollution problem in cotton.

(Action: DAO, Bharuch)

24.2.8 : DAO, Narmada

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

Conduct farm trials on G. Cot. Hy. 12 BG II in Narmada district

(Action: DAO, Narmada)

Presentation of Deputy Director of Horticulture

24.2.9 : DHO, Tapi

DHO, Tapi has given over view on development of horticulture in Tapi district, implementation of various schemes by the Department. The house made following suggestions.

(1) Need to establish farm level low energy pre-cooling unit

(2) Develop technologies for Processing of tuber crops especially yam

(Action: Centre of Excellence in Post Harvest, Navsari)

(3) Need to develop protocol for ripening chamber other than mango and banana.

(Action: Centre of Excellence in Post Harvest, Navsari)

24.2.10.: DHO, Surat

DHO, Surat has given over view on development of horticulture in Surat district, implementation of various schemes by the Department. The house made no suggestions.

Session III: Presentation of KVKs

24.3.1. : KVK, Navsari

PC, KVK, Navsari presented the progress report and action plan. The house made no suggestions.

24.3.2: KVK, Tapi

Subject Matter Specialist (Horticulture), KVK, Tapi presented the progress report and action plan. The house made following suggestions.

Take filler trial with Potassium Nitrate for the swelling problem in Okra.

(Action: KVK, Tapi)

- 24.3.3: KVK, Dang**
PC, KVK, Navsari presented the progress report and action plan. The house made no suggestions.
- 24.3.4.: KVK, Narmada**
PC, KVK, Navsari presented the progress report and action plan. The house made following suggestions.
Conduct demonstrations on G. Cot. Hy. 12 BG II
(Action: KVK, Narmada)
- 24.3.4. : KVK, Surat**
PC, KVK, Surat presented the progress report and action plan. The house made following suggestions.
Conduct demonstrations on G. Cot. Hy. 12 BG II
(Action: KVK, Surat)
- 24.3.4. : KVK, Bharuch**
Subject Matter Specialist, KVK, Chaswad presented the progress report and action plan. The house made no suggestions.
- 24.3.4. KVK, Valsad**
Officer from KVK, Valsad was absent.

Session IV : Farmers feed back

- 24.4: During the session, following progressive farmers from each district share their views, experience and important feedback to the house.**
- 24.4.1. Manojbhai Patel, Shekpur, Kamrej, Surat**
He shared his experience of organic cultivation of Guava and drumstick and their processing. He also explained new method of sugarcane planting designed by him to reduce the seed cost of sugarcane.
- 24.4.2 Pinakinbhai Patel, Navsari**
He shared his experience regarding cultivation of paddy through SRI and said that it is difficult to implement SRI in flat area having low drainage. He suggested that SIRA method can work in that area. He shared his experience regarding cultivation of GNR3 rice with aerobic method of cultivation and got yield of 4860 kg /ha.
- 24.4.3. Gumanbhai Chudhary, Vyara, Tapi**
He shared his experience regarding vegetable cultivation and direct marketing. He also shared his experience regarding time of planting vegetables for getting good market and price.
- 24.4.4. Chhoytubhai Bhudhabhai Patel Waghai, Dangs**
He shared his experience of cultivation of various crops and appreciated support provided by KVK and Navsari Agricultural University to the farmers of the Dangs District.
- 24.4.5. Maheshbhai Mansingbhai Chudhary, Songhadh, Tapi**
He shared his experience and focuses on problem of eruption on okra fruit and urged university to find out the solution for such problem.
House suggested to KVK, Tapi, to test the different level of potash fertilizers on Okra as a filler trial.
(Action: KVK, Tapi)
- 24.4.6. Rajeshbhai Chaudhary, Dang**
He shared his experience of cultivation of crops and thanks Navsari Agricultural University for inviting farmers in such programmes.

24.4.7. Chimanhai Patel, Bhinar, Navsari

He shared his experience regarding efforts made by innovative farmer groups of Vandsa and Mahuva for cultivation of lac in our area. He suggested that university has to take up this activity on scientific base. He also shared achievement made by him on cultivation of paddy through SRI method.

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



No. NAU/DEE/D-1/9780-1069/16 Navsari
Date : 16/03/2016

Director of Extension Education

CFWC 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. District Agricultural Officer, Navsari/ Valsad/ Bharuch/ Surat/ Narmada/Tapi/ Dangs
7. Deputy Director of Horticulture, Navsari/ Valsad/ Bharuch/ Surat/ Narmada/Tapi/ Dangs
8. Deputy Director of Animal Husbandry, Navsari/Valsad/Bharuch/Surat/Narmada/Tapi/ Dangs
9. All the progressive farmers attended the ZREAC