



NAVSARI AGRICULTURAL UNIVERSITY

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To,
All Members of ZREAC

Please find enclosed herewith proceeding of the nineteenth meeting of ZONAL RESEARCH AND EXTENSION ACTION COMMITTEE of Navsari Agricultural University held on 5th October,2013.

All the concerned members are requested to take necessary action on the items pertaining to them and send the action taken report on Email: tv@nau.in or to the office of undersigned within a week.

Director of Extension Education

Encl.: a/a

CC for information to:

1. Director of Agriculture/ Horticulture/Animal Husbandry, Gandhinagar
2. Zonal Project Coordinator, Zone No.6, ICAR, CAZRI, Jodhpur (Rajasthan)
3. Director of Research, NAU, Navsari
4. Principal, NMCA/ACHF/CVSAH/ABM, Navsari
5. Joint Director of Agriculture (Extension), Surat/Baroda

PROCEEDING OF THE NINETEENTH

**ZONAL RESEARCH AND EXTENSION ACTION
COMMITTEE MEETING
(ZREAC)**

Held on

5TH OCTOBER, 2013

at Navsari Agricultural University, Navsari



NAVSARI AGRICULTURAL UNIVERSITY

NAVSARI - 396 450 (GUJARAT)

**PROCEEDING OF THE NINETEENTH MEETING OF ZONAL RESEARCH AND
EXTENSION ACTION COMMITTEE HELD ON 5th OCTOBER, 2013 AT
NAVSARI**

Director of Extension Education, Dr. Derasari warmly welcome the guests on the dais and all scientist, professors and extension officers attending the nineteenth ZREAC meeting.

Dr. A. N. Sabalpara, Director of Research and Dean P. G. Studies stated in his address that university has to decide the direction of research and hence, there is need to assess the rate of adoption of recommendations disseminated through extension machineries. The old recommendations should be reviewed as per the need of the day. He put more emphasis on timely availability of quality seeds to farmers. He added that the climate change and its effect on crop production and productivity is the new area of research. Extension functionaries have to submit their feedback to research system. He also stressed to work on biofertilizers, low cost ecofriendly pesticides, organic farming and set up various extension activities for transferring such technology at grass root level.

Dr. A. R. Pathak, Hon. Vice Chancellor and Chairman addressed the house and said that university develops various technologies and extension functionaries transfer it to the farming community but sufficient feedback is lacking. He emphasis on research and extension system have to concentrate on feasibility of new crops like castor, soybean etc. He also stressed on arrangement of FLDs on newly generated farming technologies including newly released varieties, farm machineries etc. He advised the extension officers/workers/SMSs of KVKs that they should come with results of FLDs, impact of old and new recommendations, views of farmers on agricultural technologies.

19.1 Presentation of action taken report

Action taken report on the proceeding of 17th ZREAC meeting held on 04-10 -2012 was presented by the Director of Extension Education, NAU, Navsari which was approved by house.

19.2 Technical report presented by different line department officers

19.2.1 DAO, Navsari

19.2.1.1 In IPM/IDM component, do not recommend ready mix pesticides in paddy and vegetable ecosystem.

19.2.1.2 Farm trials on GNR-3 and GNR -4 should be arranged.

19.2.1.3 Farm trials should be arranged on SIRA in paddy.

19.2.1.4 Trial on banana pseudostem sap should be arranged in mango & sapota orchard.

(Action: DAO, Navsari)

19.2.2 DAO, Valsad

19.2.2.1 Arrange more number of farm trials on sugarcane

19.2.2.2 Arrange *Rabi* Farm trials on GT 102 variety of pigeonpea

19.2.2.3 Conduct demonstration of per plant management of cashew nut

19.2.2.4 Do not advise girdling in mango tree

19.2.2.5 Trial on banana pseudostem sap should be arranged in collaboration with Research Scientist, RFRS, NAU, Paria

19.2.2.6 Test the feasibility of Black Jamun, *Kokam* and Tamarind farming in south Gujarat region.

19.2.2.7 Conduct demonstration of biofertilizers on mango and sapota plantation.

(Action: DAO, Valsad)

- 19.2.3 DAO, Dang: Absent**
Inform to the Director of respective office for the same
(Action: DEE, NAU, Navsari)
- 19.2.4 DAO, Surat**
- 19.2.4.1** Trial on banana pseudostem sap should be arranged in mango orchard.
- 19.2.4.2** Submit the impact points on university's recommendations
- 19.2.4.3** To promote the use of phosphor-gypsum and biocompost in agriculture.
- 19.2.4.4** Conduct demonstration of GNR 3 variety of paddy
- 19.2.4.5** Farm trials on GN-4 and GN -5 should be arranged.
(Action: DAO, Surat)
- 19.2.5 DAO, Tapi**
- 19.2.5.1** Confirm the adoption rate of recommendation
- 19.2.5.2** Farm trials on Gujarat Val - 1 and Gujarat Gram - 3 should be arranged.
- 19.2.5.3** Verify the data of paddy productivity
- 19.2.5.4** Carry out more number of training programme on cucurbitaceous vegetables.
(Action: DAO, Tapi)
- 19.2.6 DAO, Bharuch: Absent**
Inform to the Director of respective office for the same
(Action: DEE, NAU, Navsari)
- 19.2.7 DAO, Narmada**
- 19.2.7.1** Add PKV-2 variety in gram with GG-2 and GG – 3 in farm trials
- 19.2.7.2** Arrange farm trials on *Rabi* pigeonpea GT 102, *Rabi* Green gram Co-4 and GJ-38
Rabi jowar in collaboration with respective KVK
- 19.2.7.3** Apply carbofuran, neem cake and paecilomyces and adopt crop rotation for management of phytonematodes
- 19.2.7.4** Agrisilviculture is not advisable in forest area but only vegetable crops can be cultivated during *kharif* season.
- 19.2.7.5** “PASHUPOSHAN VISHESHANK” is useful to refer for animal nutrition.
(Action: DAO, Narmada)
- 19.2.8 Assistant Director of Horticulture, Bharuch**
- 19.2.8.1** Propose value addition (*Gulkand* and *Gulabjal*) of loose rose.
- 19.2.8.2** Promote farming of black jamun
(Action: Deputy Director of Horticulture, Bharuch)
- 19.3 Technical report presented by different Programme Coordinator, KVKs**
- 19.3.1 Programme Coordinator, KVK, NAU, Navsari**
- 19.3.1.1** Demonstrate mango rejuvenation on farmer's field.
- 19.3.1.2** Demonstration of management of mango fruit fly should be continued.
- 19.3.1.3** Record damages in various crops due to climate Change
(Action: Programme Coordinator, KVK, NAU, Navsari)
- 19.3.2 Programme Coordinator, KVK, NAU, Vyara**
- 19.3.2.1** Submit the data of seed production to Mega Seed Cell.
- 19.3.2.2** Age of animals at first calving should be recorded in OFT
- 19.3.2.3** Nutrition, Health, Production etc. In animal husbandry should be discussed with concerned veterinarians
- 19.3.2.4** Publish literature (press note, folder, pamphlets etc.) useful to milk producers.
- 19.3.2.5** Inform all the milk cooperative societies about major issues related to animal health, animal nutrition affecting milk production.
- 19.3.2.6** Record damages in various crops due to climate Change

- 19.3.2.7** Formulate technical programme on fisheries
(**Action:** Programme Coordinator, KVK, NAU, Vyara)
- 19.3.3 Programme Coordinator, KVK, NAU, Waghai**
- 19.3.3.1** Change the treatment T₂ in OFT as per CIB Guidelines and finalize it with concerned entomologist
- 19.3.3.2** Record damages in various crops due to climate Change
- 19.3.3.3** Formulate technical programme on fisheries
(**Action:** Programme Coordinator, KVK, NAU, Waghai)
- 19.3.4 Programme Coordinator, KVK, NAU, Dediypada**
- 19.3.4.1** Mention yield losses in different crops due to biotic and abiotic stresses.
- 19.3.4.2** Put technical programme on fisheries
- 19.3.4.3** Record damages in various crops due to climate Change
- 19.3.4.4** SMS (Ani, Sci.) should meet to concerned veterinary scientists and formulate the OFT
(**Action:** Programme Coordinator, KVK, NAU, Dediypada)
- 19.3.5 Programme Coordinator, KVK, NAU, Surat**
- 19.3.5.1** In OFT-2, No. Of animals should be 10
- 19.3.5.2** Formulate technical programme on fisheries
- 19.3.5.3** Record damages in various crops due to climate Change
- 19.3.5.4** Call expert(s) from Forestry college as and when require.
(**Action:** Programme Coordinator, KVK, NAU, Surat)
- 19.3.6 KVK, Chasvad**
- 19.3.6.1** In OFT-1, T₂: 120-30-00 (N-P-K kg/ha; Recommended fertilizer dose in paddy)
- 19.3.6.2** Demonstration of GT-102 (Pigeonpea) and Co-4 (Greengram)
- 19.3.6.3** Incorporate, soybean variety NRC-37 in T₃
- 19.3.6.4** Carry out FLD on wheat variety GW-322 and GW-366
- 19.3.6.5** Trial on banana pseudostem sap should be arranged in mango orchard.
- 19.3.6.6** Demonstrate mango rejuvenation on farmer's field.
- 19.3.6.7** Conduct demonstration on application of biofertilizer in fruit crops.
- 19.3.6.8** Formulate technical programme on fisheries
- 19.3.6.9** Record damages in various crops due to climate Change
(**Action:** Programme Coordinator, KVK, Chasvad)
- 19.3.7 KVK, Ambheti**
- 19.3.7.1** Arrange demonstration on GT-102 and *Vaishali* varieties of pigeonpea.
- 19.3.7.2** Trial on banana pseudostem sap should be arranged in mango orchard.
- 19.3.7.3** Demonstrate mango rejuvenation on farmer's field.
- 19.3.7.4** Conduct demonstration on application of biofertilizer in fruit crops.
- 19.3.7.5** Formulate technical programme on fisheries
- 19.3.7.6** Record damages in various crops due to climate Change
(**Action:** Programme Coordinator, KVK, Ambheti)
- 19.4. Presentation of University Schemes/Centres**
- 19.4.1. Agricultural Experimental Station, NAU, Paria**
- 19.4.1.1** Arrange demonstration on recently released varieties of little gourd and pointed gourd.
- 19.4.1.2** Trial on banana pseudostem sap should be arranged in mango orchard.
- 19.4.1.3** Increase area under mango rejuvenation at your own station.
- 19.4.1.4** Demonstrate mango rejuvenation on farmer's field.
- 19.4.1.5** Conduct demonstration on application of biofertilizer in fruit crops.
- 19.4.1.6** Record damages in various crops due to climate Change
(**Action:** Research Scientist, Agricultural Experimental Station, NAU, Paria)

19.5 Presentation of other Departments

19.5.1 Deputy Engineer, Ambika Division, Navsari

19.5.1.1 Irrigation schedule (Canal) is finalized for every year in advance and inform well in advance to the farmers of command area.

(Action: Deputy Engineer, Ambika Division, Navsari)

19.6 Progressive farmer's suggestions

19.6.1 Shri Sanjaybhai Naik, Progressive Farmer, Gandeva

- Advertise NAU's branded seed to sale with price.

(Action: Res. Sci., Mega seed, NAU, Navsari)

- Arrange seminar as well as exhibition on Farm Mechanization

(Action: Professor, Dept. of Engineering NMCA, NAU, Navsari)

- Publish press note on newly emerged issues of agriculture, pest and disease management etc.

(Action: Professor, Dept. of Agril. Entomology/Plant Pathathology NMCA, NAU, Navsari)

19.6.2 Shri Pinakinbhai K. Patel, Progressive Farmer,

- Advise the sugarcane growers to avoid early planting
- Promote newly released variety of sugarcane Co-5071 etc.

Following research issues raised during the 19th ZREAC Meeting

- Specification of paddy transplanter and harvester for selection
- Specification of sugarcane planter and harvester for selection
- Development of suitable cashew nut processing technology
- Conduct trials of ready mix pesticides (Insecticides and Fungicides) in different crops and generate data on its efficacy and development of cross resistance in pests against pesticides.
- Conduct trials on low cost concentrate for milch animal
- Conduct trial on SRI and SIRA technology
- Conduct trial on effect of micronutrients in paddy and sugarcane
- Conduct trial on effect of biofertilizers on mango and chiku
- Conduct trial on compatibility of various biofertilizers
- Conduct trial on compatibility of various bioagents (Bioinsecticides and biofungicides)

Plenary Session:

Following suggestions made from the chair of plenary session for betterment of ensuing meeting.

- Inform those who has not attending the 19th ZREAC Meeting
- All scientist should come forward with latest technologies
- Lacking the information on demand of breeder seed production due to absence of concerned officer of Gujarat State Seed Corporation.
- Lacking the information of waste land utility for crop diversification/ feasibility of newer crops. (It can be include in the consequential meeting)
- Results of farm trials as well as FLDs should be presented in house.
- Impact points of new recommendation should be presented.

The meeting adjourned with vote of thanks to one and all as well as chair.