



NAVSARI AGRICULTURAL UNIVERSITY

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To,
All Members of ZREAC

Please find enclosed herewith proceeding of the Twentieth meeting of ZONAL RESEARCH AND EXTENSION ACTION COMMITTEE (*Kharif*) of Navsari Agricultural University held on 7th February, 2014.

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.

Sd/-

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

PROCEEDINGS OF THE TWENTIETH ZONAL RESEARCH AND EXTENSION ACTION COMMITTEE MEETING HELD ON 7TH FEBRUARY 2014 AT NAVSARI

The meeting was started with the warm welcome by Dr. H.J. Derashri, Director of Extension Education, NAU, Navsari. In his welcome address, he praised for the agricultural development made by Gujarat with a growth rate of 11 to 12%. The challenge is to sustain this growth which can only be possible with integration of all the sectors *viz.*, Agriculture, Horticulture, Animal Husbandry, Fisheries, Forest *etc.* The interest of the people is belonged increasing day by day in farming due to transfer of technology made by KVKs and Line Departments.

Sh. M. B. Patel, Joint Director of Agriculture, Surat emphasized that even though our country is surplus in food grain production we have to address issues of low productivity of sugarcane and paddy as compared to national average and work together to harness the potentiality of these crops. He also emphasized on strengthening of research on spice crops and newer insecticidal molecules available in the market.

Dr. A. N. Sabalpara, Director of Research and Dean PG Studies, NAU, Navsari in his introductory speech appreciated massive work taken up by extension functionaries for effective transfer of technology. He addressed the issues of paddy, sugarcane, mango and sapota and emphasized on utilizing the latest technologies to fulfill the gap between the state average and results obtained by the individual famers in FLDs. In mango and sapota, the results obtained by use of bio-fertilizers and bio pesticides can help in improving the situation further. He also accentuated on identifying adoption gap, critical problems and target them. He also advised the research scientists of respective crops/enterprise to update detailed situation/information on NAU website. He also invited feedbacks from different fields *viz.*, veterinary, forestry, horticulture, fisheries, soil health, irrigation, minor crops, input situations, post harvest technologies, processing, export, marketing, agribusiness, nutrition *etc.*, and it should be farmer-centric.

Dr. A. R. Pathak, Hon. Vice-Chancellor, NAU, Navsari in his Presidential address appreciated the performance of paddy variety GNR-3 and sugarcane variety GNS-8 and its increasing demand day by day. In horticulture, he informed the house regarding two brain storming sessions on fruits and vegetables organized at NAU & AAU, respectively and admitted that low adoption of SAUs varieties/hybrids in vegetables is due to less availability of seeds/planting material. He also pointed out that now farmers are also going for commercial animal husbandry and number of good fodder varieties available to be promoted. He also emphasized on crop diversification and castor/maize is the crop that should be promoted after paddy. He discussed the issues of soil health, water use efficiency, labour scarcity, climate change and discontinuation of farming in protected cultivation. He stressed on initiating research programmes on fisheries for coastal area. He also stated that research on marketing should also be initiated.

20.1 Presentation of Action Taken Report

Action taken report on the proceedings of 18th ZREAC meeting held 18th February, 2013 was presented by the Director of Extension Education, NAU, Navsari which was approved by the house with following suggestion.

1. Committee has taken serious note for non submission of the action taken report especially by the members from line department. **(Action: JDU, Surat)**
2. Seed Production of Anand Okra 5 should be taken up and demonstrations to be given **(Action: Aspee College of Horticulture and Forestry)**

20.2 Presentation of Feedback/Farm trials by Officers from Line Departments

20.2.1 DAO, Navsari

The District Agricultural Officer, Navsari presented the district profile, area production and productivity of different crops, results of farm trials and feedback for the research. The house made the following suggestions.

1. Development of crop module for Hybrid rice 6444/ 6201 including micronutrient and bio-fertilizer requirements **(Action: NARP, NAU, Navsari)**
2. For paddy trans-planter, at the time of transplanting invite agriculture engineer and study the comparison of labour requirement, cost, time saving *etc.* **(Action: DAO and Agriculture Engineer, NMCA, Navsari)**
3. In farm trial compare GNR3 with the hybrid **(Action: DAO, Navsari)**

20.2.2 DAO, Valsad

The District Agricultural Officer, Valsad presented the district profile, area production and productivity of different crops, results of farm trials and feedback for the research. The house made the following suggestions.

1. For disease problem in bitter gourd invite diagnostic team **(Action: DAO, Valsad and DEE, NAU, Navsari)**
2. Compare hybrid (Gorakhnath/Sona) with GNR3
3. Demonstrations on SRI with hybrid/GNR3
4. Conduct demonstrations on pigeon pea variety BSMR 711 in hilly area.
5. Conduct farm trials on enriched banana sap in mango.

(Action: DAO, Valsad)

20.2.3 DAO, Dangs

Agricultural Officer of the Dangs presented the district profile, area, production and productivity of the crop, farm trial results, feedback and future plan for farm trials. Following suggestions were made by the house.

1. Conduct farm trials on GJ 42
2. Increase the number of farm trials on ragi with Gujarat Nagli 4
3. Compare hybrids 6444/ 6201/ Suruchi5629 with GR7/IR 28
4. Conduct farm trials on pigeon pea variety BSMR 711 in hilly area.
5. Conduct demonstrations on gram with GJG 3

(Action: DAO, Dangs)

18.2.5 DAO, Surat

Assistant Director of Agriculture, Olpad and Surat presented the district profile, area, production and productivity of different crops, results of farm trials, feedback for research and future planning for farm trials. The following suggestions were made by the house.

1. Conduct farm trials on sugarcane variety GNS-8
2. Conduct farm trails with GAR 13 and compare it with GR-11.
3. Conduct farm trials on SIRA in Madavi/ Mangrol/ Umarpada / Mahuva

(Action: DAO, Surat)

20.2.10 DAO, Tapi

District Agricultural Officer of Tapi presented the district profile, area, production and productivity of the crop, farm trial results, feedback and future plan for farm trials. No suggestion was made by the house.

20.2.6 DAO, Bharuch

Assistant Director of Agriculture, Ankleshwar and Bharuch presented the district profile, area, production and productivity of different crops, results of farm trials, feedbacks for research and future planning for farm trials. The following suggestions were made by the house.

1. Conduct demonstration on released variety of black gram
2. Conduct farm trials on soybean variety NRC-97-2
3. Conduct farm trials on pigeon pea variety BSMR 711

(Action: DAO, Bharuch)

20.2.7 DAO, Narmada

No presentation from the Narmada district was made and house has taken serious note of it.

(Action: JDU, Surat & DAO, Narmada)

20.2.8. Presentation by DAHO, Navsari

District Animal Husbandry Officer, Navsari presented present scenario of animal husbandry in the district and specific animal health problems of the district. The detailed discussion was made by the house on specific issues of Navsari district.

20.2.9. Department of Horticulture, Surat:

Horticulture officer of Surat district presented the present status of horticulture in the district. No suggestion was made.

20.2.10. Department of Horticulture Bharuch:

Horticulture Officer of Bharuch district presented the present status of horticulture in the district. No suggestion was made.

20.2.11. Department of Horticulture Narmada:

Horticulture officer of Narmada district presented the present status of horticulture in the district. No suggestion was made.

There were no presentation from Department of Horticulture from Navsari, Valsad, The Dangs and Tapi. The house has taken serious note of it.

(Action: Concern DDH/DHO)

General suggestions for theline Department:

1. Rainfall data should be taluka wise.
2. More applications should be invited for Best ATMA Farmers' Awards.
3. Mention the productivity of state average of previous year in area, production and productivity table.

(Action: All DAO)

20.2.12. Gujarat State Seed Corporation Ltd. Vyara.

The concerned officer presented status of different kinds of seeds produced and distributed by the Gujarat State Seed Corporation Ltd, Vyara and no suggestion was made by the house.

20.3 Feedback by the progressive farmers:

1 Pradipbhai Patel, Karatha, Narmada

1. Raised the issue of variations/quality of banana tissue plants.

2. Sanjaybhai Naik, Gandeva, Navsari

1. Suggested to study the compatibility of enriched banana sap with commonly used pesticides in mango (**Action: Department of Entomology and Plant Pathology, N.M.C.A., Navsari**)
2. Initiate the market survey and provide information to mango farmers (**Action: ABM College**)
3. Raised the issue of increasing incidence of mango malformation. The meeting to be organized with all the concerned Joint Director/ Deputy Director of Horticulture and Scientists of the University.
(**Action: Director of Research and Dean PG studies**)

3. Pinakinbhai Patel, Sadlav, Navsari

1. Suggested kharsani as intercrop in sugarcane
2. Suggested use of foliar spray of nitrogen in sugarcane for getting better results.

4. Bharatbhai Deasi, Umarsadi, Valsad

1. Raised the issue of inter cultivation in high density planting in mango.
2. Suggested that TV programmes telecasted should have expiry date as some old programmes are repeatedly telecasted which contained old technologies/banned pesticides.
3. Narrated advantage of continuous fertilization through organic fertilizers or fertigation through drip in quality production of sapota and delayed ripening of sapota.
4. Suggested that flowering in mango after January 15 has maximum production, can be taken up to develop such technology.
5. Good setting in sapota can be achieved at $> 16^{\circ}\text{C}$ temperature so timing of fertilizers and hormone application should be fixed accordingly to manage flowering during that period.
6. Raised the issue of reducing area under sapota but there is new hope for making wine from sapota in neighboring state.

20.4 Presentation of KVK reports

20.4.1 KVK, Navsari

Subject matter Specialist (Horticulture) KVK, Navsari presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made by the house.

1. Revised all On Farm Testings (OFTs) as suggested in workshop on finalization of Annual Action Plans of KVKs at SDAU, S. K. Nagar.
2. Research trial should be replicated and presented in respective AGRESKO.
3. Impact of FLDs should be made.

(**Action: Programme Coordinator, KVK, Navsari**)

20.4.2. KVK, Tapi

Programme Coordinator, KVK, Tapi presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made.

1. In OFT on poultry, dose in T_2 to be revised.
2. Impact of FLDs should be made.

(**Action: Programme Coordinator, KVK, Tapi**)

20.4.3. KVK, The Dangs:

Programme Coordinator, KVK, The Dangs presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made by the house.

1. Take late maturing variety GS 2 instead of NRC 37 of soybean
2. Impact of FLDs should be made.

(**Action: Programme Coordinator, KVK, The Dangs**)

20.4.4. KVK, Narmada:

Programme Coordinator, KVK, Narmada presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made by the house.

1. Conclude the On farm testing which has completed three years.
2. Impact of FLDs to be made.
3. Conduct FLDs on fodder sorghum CSV 21 F variety

(Action: Programme Coordinator, KVK, Narmada)

20.4.5. KVK, Surat:

Programme Coordinator, KVK, Surat presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made.

1. Impact of FLDs to be made
2. In on farm trials on Horticulture, quantity of enriched banana sap to be taken @ 5ml/ plant

(Action: Programme Coordinator, KVK, Surat)

20.4.6. KVK, Valsad:

Subject Matter Specialist, KVK, Valsad presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research. The following suggestions were made.

1. Arranged joint visit with NAU scientists for problem in bottle gourd and test effectiveness of bio agents.

(Action: Programme Coordinator, KVK, Navsari)

20.4.7. KVK, Chasvad:

Subject Matter Specialist, KVK, Chasvad presented the achievement, new action plan for next *Kharif* season and scientific feedbacks for research and no suggestion was made.

(Action: Programme Coordinator, KVK, Chasvad)

The meeting ended with a vote of thanks by Dr. G. B. Kalariya, Associate Research Scientist, o/o Directorate of Extension, Education, NAU, Navsari.