

Zonal Project Directorate, Zone-III successfully organizes the Annual Action Plan Workshop of KVKs under Zone-III for 2014-15

The Zonal Project Directorate, Zone-III organized the Annual Action Plan Workshop of KVKs under Zone-III at the College of Veterinary Science, Assam Agricultural University, Khanapara during February 12-14, 2014. The three days of the workshop comprised of registration of the participants, a brief inauguration session, eight technical sessions and a brief valedictory session. A total of one hundred and six participants including Programme Coordinators and Subject Matter Specialists of KVKs, scientists from the Zonal Project Directorate, Zone-III, faculty and staff from Assam Agricultural University, Jorhat and guest speakers from some allied institutes actively participated the programme.

Inauguration Session:

The inauguration session of the workshop started very informally and continued with the remarks of the Zonal Project Director, Zone-III. The Zonal Project Director in his encouraging remarks mentioned about the importance and significance of the workshop, its purpose and the expected outcome of the programme. He invited active participation of all the KVKs in the workshop. There was no specific formality maintained throughout the inauguration session.

Technical Sessions

The first technical session started with the presentation of monthly SMS performance report of KVKs under Zone-III by Dr. S. Paul and Mr. A.K. Bhalerao, Scientists, ZPD-III, Umiam. Dr. Paul and Mr. Bhalerao mainly discussed the quantity aspects comprising of regularity of submission of the said report by the KVKs under Zone-III. It was followed by presentation of Annual Action Plan of individual KVKs by KVK representatives. Dr. A.K. Gogoi, Zonal Project Director, Zone-III and Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat mainly chaired and co-chaired over the different technical sessions. Dr. Pranab Sarma, PC, KVK Cachar, Dr. L. C. Patel, PC, KVK West Tripura, Dr. A.K. Singh, PC, KVK, South Tripura, Dr. P. Nath, PC, KVK Sivasagar, Dr. H. K. Bhattachryya, PC, KVK, Dibrugarh, Dr. U.K. Baruah, PC, KVK, Goalpara, Dr. Lalmounzovi, PC, KVK, Lunglei, Dr. Manik Debnath, PC, KVK, Upper Subansiri and Mr. Subrata Shib, PC KVK, Dhalai acted as the rapporteurs of different technical sessions. Dr. A. Sharma, Deputy Registrar, PPFRA delivered a small lecture for sensitizing the KVKs for generating awareness on protection of plant varieties and farmers' rights among the farmers in their respective areas under jurisdiction. Dr. R.K. Kalita, Scientist, RFRI, Jorhat delivered a brief presentation on the functioning of Van Vigyan Kendras (VVKs) and the possible convergence with the KVKs. Based on the suggestions given by the house to different presentations, following are the **General and KVK Specific Recommendations** to be taken into consideration by the KVKs under Zone-III while submitting their revised action plans:

General Recommendations

Technical

- The activities to be proposed in the revised action plan of individual KVKs should not fall behind the target given for individual KVKs. At least two OFTs, two FLDs and two vocational trainings for SMSs, one OFT, one FLD and one vocational training for Programme Assistants are mandatory. (Action: PC/ PC (i/c) of all concerned KVKs)
- The revised action plan has to be submitted as per the sanctioned posts of the KVK irrespective of the current position of the post. (Action: PC/ PC (i/c) of all concerned KVKs)
- Mobile solution under AIP should be included in work plan by all the KVKs. (Action: PC/ PC (i/c) of all Assam KVKs)
- The targeted number of beneficiaries in case of extension activities like radio talk, newspaper coverage, TV shows etc. should not be mentioned in the action plan. (Action: PC/ PC (i/c) of all concerned KVKs)
- OFTs proposed with older technologies are to be replaced with newer ones in the revised action plan of individual KVKs. The title of the OFT must reflect the identified problem. (Action: PC/ PC (i/c) and SMSs of all concerned KVKs)
- OFTs and FLDs proposed on technologies released by private companies are strictly to be replaced with technologies in the same line released by public sector agricultural research institutes. Availability of technology should be verified before adopting technologies developed outside the region. Technology developed by AAU, CAU and ICAR institutes in the region should be preferred. (Action: PC/ PC (i/c) and SMSs of all concerned KVKs)
- SMSs of Agril. Economics should study the economics of all OFT and FLD besides their own programme within the scope of the subject. They need not necessarily conduct programmes of any farming activities at their own. (Action: SMSs (Agril. Econ.) of all concerned KVKs)
- The KVK database should be maintained and updated regularly for smooth and timely retrieval of the same as per the requirement of the directorate. (Action: PC/ PC (i/c) and Programme Assistant (Computer) of all concerned KVKs)

Administrative

- The Zonal Project Directorate, Zone-III should arrange at its convenience two special sessions of the workshop: one, an action plan (2014-15) finalization workshop for the KVKs, the PCs/ PC (i/c) of which could not make it happen to attend the Annual Action Plan Workshop 2014-15 at Khanapara; the second, an action plan (2014-15) finalization workshop for the SMSs (Agricultural Extension) of the KVKs under Zone-III. (Action: Zonal Project Director, Zone-III)
- Reporting by the KVKs to the office of the Zonal Project Director has to be regularized strictly maintaining the deadline of report submission. The following dedicated e-mail account for the same has been created by the office of the Zonal

Project Director for further convenience of reporting: reportzpd3@gmail.com. (Action: PC/ PC (i/c) and Programme Assistant (Computer) of all concerned KVKs)

- All the vacant posts of the KVKs are to be filled up on priority for smooth functioning of the KVKs. (Action: Head of the Host Institute of all concerned KVKs)

Financial

- The KVKs should properly utilize their received budget amount. (Action: PC/ PC (i/c) of all concerned KVKs)
- All the activities taken up through linkage and convergence with the national and international organizations should be intimated to the ZPD in proper time with financial implications. (Action: PC/ PC (i/c) of all concerned KVKs)
- The revolving fund should be appropriately utilized and the seed money should be returned after five years of receiving the fund by the concerned KVK. (Action: PC/ PC (i/c) of all concerned KVKs)

KVK Specific recommendations:

Sl. No.	KVK	Recommendations
Arunachal Pradesh		
1.	Changlang	<ul style="list-style-type: none"> • For the OFT on bag feeding of carps, tray feeding is to be practiced. • OFT on balanced diet is to be dropped and taken as FLD.
2.	East Kameng	<ul style="list-style-type: none"> •
3.	East Siang	<ul style="list-style-type: none"> • Papaya variety <i>Pusa Nanha</i> should be replaced with a new one
4.	Lohit	<ul style="list-style-type: none"> • The house accepted the action plan.
5.	Lower Dibang Valley	<ul style="list-style-type: none"> • Apiary programme should be conducted as FLD only. • Mustard should be replaced with suitable variety of toria.
6.	Lower Subansiri	<ul style="list-style-type: none"> • In the programme on plastic mulch, locally available mulching materials should be taken instead of plastic mulch. • Strawberry production technology should be taken from KVKs from Meghalaya. • The duration of the vocational trainings is to be increased.
7.	Papumpare	<ul style="list-style-type: none"> • In case of pine-apple, fertility management is to be considered instead of INM. • Polyhouse is to be considered for FLD. • The title of integration of fish with duck is to be recasted as Integrated duck fish farming. • The OFT on zero energy cool chamber in the discipline of Home Science is to be dropped and instead two other OFTs are to be included. • The proposed action plan is to be recasted <i>in toto</i>.
8.	Tawang	<ul style="list-style-type: none"> • Tomato seed materials may be obtained from KVK, West Khasi

		<p>Hills/ICAR (RC) NEH Region, Umiam.</p> <ul style="list-style-type: none"> • For Instant Baby Food technology AAU, Jorhat may be followed. • For FLD, lime application need to follow from AAU, Jorhat/CAU/ICAR (RC) for NEH Region, Umiam as per requirement.
9.	Tirap	•
10.	Upper Siang	<ul style="list-style-type: none"> • Composite variety of Maize to be replaced by HPQM. • T-9 variety of Black gram should be replaced by any new variety. • Some trial on “Jhum” improvement should be done. • “Technology” should be clearly indicated in the Action Plan.
11.	Upper Subansiri	<ul style="list-style-type: none"> • Each SMS should take up at least 2 FLDs. Accordingly targets should be proposed in the Action Plan. • Use of Pro-biotic: Care should be taken for not putting any companies name in OFTs/FLDs. Instead, IVRI product can be used/ tried. • Technology for OFT/FLD should be clearly indicated in the Action Plan.
12.	West Kameng	•
13.	West Siang	<ul style="list-style-type: none"> • OFT on Soybean variety JS-335 to be replaced with new varieties. • FLD on IWM, Atrazine will be available or not to be ascertained before taking the intervention. • More emphasis to be given on mechanical device and intercropping to control the weeds. • FLDs under Home Science and Animal Science are to be corrected. • Source of technology should not be RRTC. • Seed production target in participatory mode is fixed as 20 tons.
Assam		
14.	Barpeta	• The number of vocational trainings is to be increased.
15.	Cachar	• No major changes suggested.
16.	Chirang	<ul style="list-style-type: none"> • The OFT on pigeon squab should be confined to only one technology viz. balanced feeding. • No. of demonstrations on low cost vermin composting unit to be increased. • FLD on spreading tool (<i>kurhona</i>) is to be replaced with tubular maize sheller.
17.	Darrang	<ul style="list-style-type: none"> • In OFT on Animal Science, introduction of pig breed "Duroc" to be replaced by Ghungoor X Hampshire. • No. of OFT's on Home Science needs to be increased to at least 2 (Two).
18.	Dhemaji	<ul style="list-style-type: none"> • Sugarcane: Before undertaking sugarcane, the issue of elephant attack should be kept in view. <i>Dhansiri</i> variety may be taken up. • In order to increase cropping Intensity, double cropping after rice should be given priority. • Okra: Organic package for nutrition should be mentioned in the Action Plan. • INM in Chilli: Detailed technology should be indicated.

		<ul style="list-style-type: none"> • Pineapple: Farmers' feedback about taste, market demand, juice quality etc. to be taken into consideration before selecting the variety queen or kew. • Zinc Application: Soil map and nutrient status should be consulted before finalizing the dose of ZnSO₄ for application. • Giriraja/ Gramapriya: Gramapriya breed should be included in the Action Plan instead of Giriraja. • Under Home Science, OFT for solar cooker or low cost smoke free dryer for fish should be taken.
19.	Dhuburi	<ul style="list-style-type: none"> • In sugarcane: Visual observation on marketability to be assessed • Kalinga Brown to be tested with Vanaraja as local check. • Impact study should not be considered under OFT. • Floating garden for vegetable cultivation under NICRA Project may be tried in Beels & Hoars areas of Manipur, Dhemaji, Cachar, Karimganj. • Duckery under floating system may be tried in Majuli area of Jorhat.
20.	Dibrugarh	<ul style="list-style-type: none"> • Should take up programme on tea leave plucker. • Vocational Training: - Participants should be less than 20.
21.	Goalpara	<ul style="list-style-type: none"> • The proposed OFT on rapeseed should be dropped as the technology is very old. • FLD on food processing should be omitted from the plan. • No. of vocational trainings is to be increased.
22.	Golaghat	<ul style="list-style-type: none"> • May use TS-67 or JT-90-1.
23.	Hailakandi	<ul style="list-style-type: none"> • All the six IMC to be included in the programme on Fishery.
24.	Jorhat	<ul style="list-style-type: none"> • One vocational training per SMS to be proposed. • Seed production target in participatory mode for Jorhat is fixed as 70 tons. • Target of beneficiaries under Extension Activities to be given excluding Radio Talk, Newspaper etc.
25.	Kamrup	<ul style="list-style-type: none"> • Potash management in lentil should come under FLD.
26.	Karbi Anglong	<ul style="list-style-type: none"> • The variety ST 1683 should be replaced with <i>Kaliabor</i> local. • New variety of black pepper should be included. • Polythene mulching should be included in FLD • KVK, Karbi Anglong along with Golaghat and Goalpara should explore potential for biofencing to reduce the man-animal conflict.
27.	Karimganj	<ul style="list-style-type: none"> • Toria variety should be TS-36 or 38 in the cropping sequence • Variety TS-36 or TS-38 may be grown (Toria). • B:C ratio of Tomato may also to be analyzed.
28.	Kokrajhar	<ul style="list-style-type: none"> • The house accepted the proposed action plan
29.	Nagaon	<ul style="list-style-type: none"> • Complete IPM module in potato. • The word "Amur Carp" should be replaced by "Grass carp". Pen culture should be popularized. • The entire package/technology for control of cut worm should be circulated to all KVKs.
30.	Nalbari	<ul style="list-style-type: none"> • Rice based cropping system should be in the sequence of rice -

		green gram –toria.
31.	Lakhimpur	<ul style="list-style-type: none"> • In case of OFTs conducted in waterlogged areas, variation of waterlogged situation should be recorded. • Soil parameters should be recorded in case of every agricultural and horticultural OFTs. Ground water level and soil moisture level should be specially measured. • SMS-wise review of the programmes under OFT, FLD and training components should be made so that need of the farmers of the district is addressed. • Introduction of nutria-rich cereals should be considered by all KVKs. One Nutri-rich paddy variety is available with RRS, Karimganj.
32.	Sivsagar	<ul style="list-style-type: none"> • The OFT on mud eel (cuchia) is to be dropped • TTB-404 is to be taken as the check variety for OFT on <i>Mulagabhoru</i>.
33.	Sonitpur	<ul style="list-style-type: none"> • OFT on paddle thresher should be compared with local technology. • FLD on Bio Gas should be collaborated with department of Non conventional energy Resources. • Number of messages in Mobile Advisory Services should be revised.
34.	Tinsukia	<ul style="list-style-type: none"> • The FLD on food processing should be dropped. • Monitoring of soil moisture in case of OFT on black gram to be done.
35.	Udulgudi	▪
Meghalaya		
36.	East Khasi Hills	<ul style="list-style-type: none"> • Programme on Gerbera should come under FLD. • Size of the vegetable plot should not be larger than 0.5 ha for one Jalkund.
37.	Jaintia Hills	<ul style="list-style-type: none"> • Pea variety Azad may be replaced by new improved pea varieties of ICAR RC Barapani.
38.	Ri-bhoi	<ul style="list-style-type: none"> • Under Home Science, utilization of rain water should come under the thematic area of purification of rain water in place of Rain water harvesting. • Pea variety Azad may be replaced by new improved pea varieties of ICAR RC Barapani. • Change the term rain water harvesting to water purification in the OFT Title. • KVK Should increase the numbers of proposed Diagnostic Visit. • Action Plan should include vocational training programme as the KVK have infrastructural facility.
39.	West Garo Hills	<ul style="list-style-type: none"> • No major suggestions.
40.	West Khasi Hills	<ul style="list-style-type: none"> • The source of technology is to be included in case of OFT on Intercropping in maize. • The technology on Citrus rejuvenation is to be considered for FLD instead of OFT. • The major portions of the action plan is to be recasted.

Manipur		
41.	Bishnupur	<ul style="list-style-type: none"> House accepted the action plan as suggested.
42.	Chandel	<ul style="list-style-type: none"> The title of technology in case of Mustard variety M-27 is to be changed as varietal evaluation.
43.	Churachandpur	<ul style="list-style-type: none"> Piglet: Pure breed of Hampshire shouldn't be given. Instead, cross bred piglet should be taken into study. Goat: Similarly, cross breed of Betel and Sirohi should be given instead of pure Breed. EM Technology: Title should be changed in case of EM technology trial.
44.	Imphal (E)	<ul style="list-style-type: none">
45.	Imphal (W)	<ul style="list-style-type: none"> Toria crop should be foliar sprayed before flowering stage. Hybrid varieties cannot be compared with normal varieties. Variety M-27 should be changed with new TS series. Seeds production programme can't be taken under FLD. Under FLD some new method or technology must be demonstrated. Khaki cambel ducks are not water loving strains, so performance reduced when reared with huge water bodies or ponds.
46.	Senapati	<ul style="list-style-type: none">
47.	Tamenglong	<ul style="list-style-type: none"> Should take up some programmes in jhum area. Varieties: Maize -HQPM, Black gram – KU301, Toria – TS-36
48.	Thoubal	<ul style="list-style-type: none"> Spiromesifen 240 SC should be applied during seedling stage only. Culture of pethia (Mahsheer) and barb together is not feasible. FLD under Plant Protection should be revised after discussion with ICAR, AAU or CAU. FLD Animal Science should be revised after discussion.
49.	Ukhrul	<ul style="list-style-type: none"> OFT on Toria: - OFT on "TS" series should be taken this year. Maize:-HPQM/Hybrids should be tried in addition to composites. Soil Loss due to Jhumming:- Some experiments to check soil loss due to Jhumming should be done incorporating suitable cover crop. Lime Requirement: Requirement of Lime should be assessed first following the ICAR guidelines and accordingly OFT/FLD to be taken up.
Mizoram		
50.	Aizawl	<ul style="list-style-type: none"> Papaya variety Pusa Nanha should be replaced with a new one. The house suggested taking up OFTs on ginger and other important crops and drop cauliflower and onion OFTs in discipline of Plant Protection. In case of use of Azadiractin for managing thrips, IPM module should be included. B:C ratio is to be calculated for all OFTs. The <i>Sree Vijaya</i> variety is to be considered for tapioca. The FLD on value addition of soybean is to be dropped.
51.	Champai	<ul style="list-style-type: none"> In case of OFT on mustard, timely sowing is to be considered.
52.	Kolasib	<ul style="list-style-type: none"> The OFT on Weed Management of Maize using Atrazine is to be

		<p>recasted. Instead, intercropping should be practised.</p> <ul style="list-style-type: none"> • The OFT on mandarin using rough lemon as rootstock is to be taken as FLD.
53.	Lawngtlai	<ul style="list-style-type: none"> • The house accepted the proposed action plan.
54.	Lunglei	<ul style="list-style-type: none"> • OFT on Enrichment of low grade roughage under Animal Science to be converted to FLD. • Parameters of assessment are to be specified. • In OFT on pigeon pea, monocrotophos to be removed as it has already been banned. • In OFT on tomato under Soil Science, parameters on soil are to be given. • No. of FLDs to be increased. • The technology for YVMV should be taken from CAU or AAU.
55.	Mamit	<ul style="list-style-type: none"> •
56.	Saiha	<ul style="list-style-type: none"> • The total package is to be adopted for the programme on mustard.
57.	Serchip	<ul style="list-style-type: none"> • Citrus rejuvenation programme should be taken up as FLD and not as OFT. • Soybean should not be taken as green manuring crop. • Pea should not be used as green manuring crop.
Nagaland		
58.	Dimapur	<ul style="list-style-type: none"> • The OFT on banana fibre should be taken as FLD. • The number of vocational trainings is to be increased.
59.	Kohima	<ul style="list-style-type: none"> • IPM module is suggested for control of Aphid in toria.
60.	Longleng	<ul style="list-style-type: none"> •
61.	Mokokchung	<ul style="list-style-type: none"> •
62.	Mon	<ul style="list-style-type: none"> • Green variety should be SG-21-5 in place of SG-21-3.
63.	Phek	<ul style="list-style-type: none"> •
64.	Tuensang	<ul style="list-style-type: none"> • In OFT of Bio control agent the crop and the target pest should be clearly mentioned. • Problem indentified technology and treatments should be reviewed and clearly mentioned. • Control of white grub should not be taken as FLD and should be placed in OFT • All FLD programs should be revised after consulting to ICAR or AAU Jorhat.
65.	Wokha	<ul style="list-style-type: none"> • The house accepted the proposed action plan.
66.	Zunheboto	<ul style="list-style-type: none"> • The variety HS 507 may be introduced through OFT in wheat. • As there is a mismatch between the problem identified and technological intervention suggested in case of the OFT proposed in Soil Science, it may be rechecked and corrected accordingly. • The OFT on Jackfruit chips preparation may come under FLD. • The OFT proposed in Plant Protection should be rechecked for necessary corrections. • The number of FLDs and diagnostic visits should be increased as per the target given.
Sikkim		
67.	East Sikkim	<ul style="list-style-type: none"> • Hybrid is to be popularized instead of composite in case of

		<p>maize.</p> <ul style="list-style-type: none"> • Biofertilizer and biopesticide trials to be included. • Green manuring on paddy is to be taken for FLD.
68.	North Sikkim	<ul style="list-style-type: none"> • Scientific bee box is to be taken as FLD. • In case of OFT on late blight of potato the dose of application of copper oxychloride is to be verified.
69.	South Sikkim	<ul style="list-style-type: none"> • The house accepted the action plan proposed.
70.	West Sikkim	<ul style="list-style-type: none"> •
Tripura		
71.	Dhalai	<ul style="list-style-type: none"> • Mandated activities have to be undertaken by all the sanctioned posts of SMSs. • The OFT in Fisheries (Assessment of growth and yield performance of <i>Anabes testudineus</i> in poly culture system) should be modified and a new OFT should be proposed. • The proposed number of extension activities and quantity of seed and planting materials to be produced should not be below the assigned targets.
72.	North Tripura	<ul style="list-style-type: none"> • In case of varietal evaluation, the number of varieties should be restricted to three. • Polyculture terminology to be recasted as composite culture.
73.	South Tripura	<ul style="list-style-type: none"> • No major revision required.
74.	West Tripura	<ul style="list-style-type: none"> • The OFT on “Multipurpose trees in Cropland for management of Soil Health” may be changed by considering another in the same thematic area Soil Health Management. • In the OFT on “Assessment of soil acidity amelioration practices in groundnut” application of lime to soil should be based on LR (lime requirement) calculated as per the p^H, and crop concerned. On the basis of LR, as per ICAR NEH recommendation 10% of actual LR should be followed. • In the OFT on “Assessment on rat control through IPM”, T1 is to be dropped. • In the FLD on “Role of micronutrients (Zinc and Boron) in performance of rapeseed by improving soil health” application of micro nutrients should be exclusively on the basis of soil test report and crop concerned. Instead of Zn, application of Sulphur may be needed in case of rapeseed mustard.

Valedictory Session

The valedictory session started with opening remarks by the Zonal Project Director, Zone-III who asked all the PCs to submit the revised action plans as soon as possible. He expressed hope that the targets kept in case of all the KVKs are tried to be fully achieved and urged for proper utilization of fund in KVKs. He also urged for prioritizing revenue generation in KVKs. He thanked all the KVKs for their contribution to the extension system. Dr. H.C. Bhattacharyya, Director of Extension Education, Assam Agricultural University, Jorhat in the concluding remarks, opined that this kind of workshop is a better learning

experience for all the participants. He expressed hope that more rural youths are to be brought to agriculture. He hoped that the dynamism, personal guidance and proactiveness of the programme coordinators and able leadership will make the functioning of the KVK more vibrant in the days to come.

The formal vote of thanks was offered by Dr. S. Paul, Scientist (Agril. Extension), ZPD-III, Umiam. The workshop ended with thanks from the chair.