

During the Technical Session KVKs presented their Annual Progress Report via PowerPoint Presentations and the following general recommendation were made -

GENERAL RECOMMENDATIONS

- Significant achievements of KVKs should be documented properly and submitted to the ATARI, Zone III for further documentation and publication.
- Adequate attention should be given to update the knowledge of extension functionaries about recent developments in technological advances.
- Problems diagnosed for all OFTs should be properly placed and matched with the technologies to be addressed.
- OFT and FLD should be in cropping sequence mode.
- Action plan should be based on doubling the farmers income
- Instead of four month mushroom production, go for round the year mushroom production.
- Instead of vermin compost go for enriched compost
- Go for 5 days training instead of 1 day training and reduce the number of trainings. In case of Extension Personnel, one day training may be considered.

Followings are the Action Points/ recommendations to be taken up by KVKs as per approved guidelines-

Sl. No.	Recommendation
1	Under FLD on Pig, Rani breed may be introduced. Under Poultry demonstration, Giriraja breed to be introduced. Impact assessment will not come under OFT. FLD on market linkage for large cardamom is to be conducted under capacity development. Under FLD on Animal Science, no local breeds of pigs and goats to be taken. Variety of Duck and Rabbitry to be mentioned in the FLD. Vaccination programme not be undertaken by KVK Scientist rather it may be conducted by concerned Department. (Action: KVK, Anjaw)
2	Problem identification was not proper in the OFT on Keteki Joha which should be modified. All the OFT should be taken as system mode. The presentation was not up to the mark and house requested to present good quality photograph and visible text. (Action: KVK, Changlang)
3	In OFT on garden pea, Azad Pea 3 variety should not be taken as it is a field pea variety, Bio fertilizer like Rhizabium should not used in Okra, in photographs, farmers should be seen, not only the staff of KVKs, OFT in Vale addition of Orange – should be under trainings not as OFT, production data on mushroom should be corrected, in extension activities, the nos. of participants should be mentioned. OFT on cabbage – soil parameters data should be incorporated under soil science, instead of YVM in Okra it should be YMV and verify the technology, OFT on bean – Endosulphan should be removed by neem based formulation. (Action: KVK, East Kameng)
4	In OFT on local upland rice varieties, common variety of the locality should be considered in place of CAUR-2. In cucumber, more parameters need to be taken into consideration for observation based on the quality required for raw consumption and local demand. In poly house type solar drier, parameters to be recorded separately for different crops. Pea variety ‘Rachna’ need to be replaced with some recent varieties. (Action: KVK, East Siang)
5	Yield of brinjal to be reviewed, treatment in animal science to be corrected, problem diagnosis in paddy cum fish culture to be reviewed, economics of magur OFT should be compared to

	<p>other fishes variety bonevillie pea variety should be replaced with new variety, production unit of khasi mandarin is to be presented in Q/ha. FLD on poneer production is to be dropped. The data In Pig fish IFS to presented for both component. Labour data in FLD on Maize Sheller should be reviewed.</p> <p style="text-align: right;">(Action: KVK, Lohit)</p>
6	<p>As AAU Vetmin is a standard technology of AAU, so dose standardization in field condition under OFT not required. Suggested for inclusion in FLD. In both OFT & FLD of IPM & IDM under Pl. Prot, full package to be taken. In smoking of fish in OFT, observation parameters to be changed.</p> <p style="text-align: right;">(Action: KVK, Lower Dibang Valley)</p>
7	<p>OFT on Farmer's Club should not be OFT. In OFT on King chilli consult an economist for all types of economics calculation. Technical bulletins should be published in local languages. Seed production should be made in participatory mode. Seed has to be produced as per targets given. No OFT under refinement is allowed. OFT on King chilli should be conducted under FLD not as OFT.</p> <p style="text-align: right;">(Action: KVK, Lower Subansiri)</p>
8	<p>The Progress Report and Action Plan have to be reconstructed in consultation with ATARI.</p> <p style="text-align: right;">(Action: KVK, Papumpare)</p>
9	<p>Varieties more than 5 years should not be taken as OFT and more than 10 years should not be taken under FLD, technology on OFT on management of stem borer should be verified, replace Ranjit variety of rice by TTB- 404 in OFT rice, in Maize ,Take two varities HPQM -1 and HPQM – 4 for trial, in green gram take SG series of variety instead of Pratap, OFT on cole crops – select another problem for pest control probably organic mode, IPM in cabbage replaced by IPM in greengram, FLD in rice – include Trichograma cards, light trap and pheromone trap.</p> <p style="text-align: right;">(Action: KVK, Tawang)</p>
10	<p>IPM on Arhar should not be taken under Cluster FLD. Before taking any Cluster Programme proper study is necessary. Scientist/ SMS of Plant protection has not shown any activity during 2016-17 Annual Report presentation.</p> <p style="text-align: right;">(Action: KVK, Tirap)</p>
11	<p>In rice and Tomato, technology INM should be replaced with organic module, baby corn OFT to be dropped. Brinjal variety pusa purple long should be replaced with New Variety, the problem diagnosis in Boron deficiency symptoms should be defined as deformed card formation, citrus Trunk borer OFT to be shifted to FLD, seed rearing in Fishery should be shifted to FLD.</p> <p style="text-align: right;">(Action: KVK, Upper Siang)</p>
12	<p>In the OFT of Home Science on value addition on pineapple either one variety for different products or different varieties for one product should be taken. OFT on pickle preparation should not come under OFT. Soil testing does not come under FLD.</p> <p style="text-align: right;">(Action: KVK, Upper Subansiri)</p>
13	<p>Details of farmers practices to be mentioned clearly, Monocrotophos chemicals not to be used as it is ban, Under OFT on Maize and Soyabean intercropping Ratio to be maintained, Home science- Value addition to be conducted in training, FYM application in potato to be reduced, IDM to be incorporated in OFT, Nutritional weaning of food to be changed, Formation of groups to be changed to Market channel, Fingerling production to be included under seed not in OFT.</p> <p style="text-align: right;">(Action: KVK, West Kameng)</p>
14	<p>OFT under plant protection (Kufri jyoti) to be reviewed, yield data of maize and Toria to be reviewed.</p> <p style="text-align: right;">(Action: KVK, West Siang)</p>

15	Soil nutrient status before and after should be reported. OFT on INM should be repeated in the next year. Cluster development in floriculture is suggested. Intercropping is to be incorporate in papaya OFT. Short duration mastered variety NRCHB 101 in the OFT. Only 4-5 days vocational training should be taken up. (Action: KVK, Baksa)
16	OFT on Toria – change the varieties PM – 23 & PM 27 to NRC HB 101, suggested to go for A.I in pig and Goat, not only distribution of breed to farmers, Include organic inputs in doubling farmers income which will reduce the cost of cultivation and increase the income, in rice – take two varieties – Tripura Chikon dhan and Sravani and test it in different location, take two varieties of strawberries instead of one (Sweet Charlie) for comparison, specify the technology in root dip treatment in bio fertilizer and also see the effect in next crop and analyse the soil sample (pre & post), OFT in cabbage –try it in another plot also by yellow trap. Cropping sequence should be early cabbage followed by late toria (Action: KVK, Barpeta)
17	Soil moisture status should be included in the OFT on Moisture conservation practice in Toria. While preparing the road map for doubling farmer’s income programme, farmer’s income from irrigated area as well as rainfed area and income from off farm activities should be taken into consideration. (Action: KVK, Bongaigaon)
18	Parameter of moori preparation is to be included in OFT paddy, problem diagnosis in soil science, fishery, animal science are to be redefined, Problem of OFT in black rice has to be refined, Farm mechanisation trial to enclosed in both OFT and FLD. (Action: KVK, Cachar)
19	In OFT on Black pepper in Sal tree- select complete shade loving black pepper variety, seed production of Jute should come under other activities of KVK instead of keeping it as FLD, instead of OFT on Turkey- go for FLD on it, formation of SHG and PRA should come under other activities of KVK instead of OFT/FLD, suggested to go for AI in both Pig and Goat. (Action: KVK, Chirang)
20	Foliar spray of ZnSo4 to be incorporated, FLD Should be in system mode approach. (Action: KVK, Darrang)
21	In OFT of wheat, the yield after Borax application is to be checked along with cost of cultivation. (Action: KVK, Dhubri)
22	Under FLD on Colocasia, 10 ton FYM is not encouraging, which is to be minimized. (Action: KVK, Dibrugarh)
23	In Annual Action Plan nutritional Garden OFT should be shifted to FLD. Title of FLD on Agri Economics uniting piggery and black rice should be specified and corrected. The Ingredients, in FLD on Home Science (in action Plan), need to be mentioned. (Action: KVK, Goalpara)
24	Variety of Lentil under FLD should be mentioned. To observe any fungal infection/issue in FLD of Urea treated paddy straw. Variety of Kamrupa 1 variety will be Kamrupa. (Action: KVK, Golaghat)
25	Size of the Bag for FLD on Mushroom production should be mentioned. With respect to Action Plan 2017-18 in OFT Swarna sub-1 should also be taken along with Ranjit sub-1. (Action: KVK, Hailakandi)
26	Problem diagnosis in Fishery should be reviewed in Action Plan. (Action: KVK, Jorhat)
27	Coorg Honeydew should be checked and Local should be the control, promote enriched vermicompost instead of Vermicompost, in OFT in Value addition in packaging - go for assessment instead of Refinement. in case of Tripura Chikon- toria cropping sequence, go for

	<p>Tripura Chikon- Mustard (NRCHB101) cropping sequence.</p> <p style="text-align: right;">(Action: KVK, Kamrup)</p>
28	<p>BC Ratio on management of Red ant in potato to be rechecked, FLD under Foliar application of Urea in Toria, Specific dose, No. of spray and stage of Crop to be mentioned.</p> <p style="text-align: right;">(Action: KVK, Karbianglong)</p>
29	<p>OFT on Paddy variety Krj 3-1-3 should be shifted to FLD. Technology to be released or in pipeline be recommended or not under OFT, needs to be clarified by ATARI. Biomass cook stove in Home Science OFT should go to FLD.</p> <p style="text-align: right;">(Action: KVK, Karimganj)</p>
30	<p>The number Farmer's visit to KVK should be reported. Plant & Water sample tested should be reported.</p> <p style="text-align: right;">(Action: KVK, Kokrajhar)</p>
31	<p>Minimum 75% of the mandated activities should be completed with result under one reporting year, SAC meeting to be conducted, Low cost Holi color to change the title all reports to be completed since many on going work.</p> <p style="text-align: right;">(Action: KVK, Morigaon)</p>
32	<p>The appropriate location of OFT no. 1 under agronomy may be identified. Before conducting OFT on management of Sulphur in soil the soil testing needs to be done to know the status of sulphur in the soil. The training programme for rural youth duration is recommended from 2 weeks to 4 weeks.</p> <p style="text-align: right;">(Action: KVK, Nagaon)</p>
33	<p>Write Offseason cultivation of Pumpkin (Var: Arjun) instead of writing Adjustment of date of sowing in rabi pumpkin, promote enriched vermicompost instead of Vermicompost, suggested to go for Nutrition gardening in rural School along with establishment of Vermicompost unit.</p> <p style="text-align: right;">(Action: KVK, Nalbari)</p>
34	<p>Name of OFT and Problem diagnosed is mismatched in most of the OFT, which is to be corrected. It is to be verified that Bioveer should probably be Biofor Pf. Lack of scientific knowledge on poly culture pond with IMC should have been under FLD. Cost of IFS should be depicted in unit in place of per hacter. Pest specificity in IPM in potato should be mentioned. Total area of FLD has to be increased.</p> <p style="text-align: right;">(Action: KVK, North Lakhimpur)</p>
35	<p>Tuberoses should be promoted under FLD. Take 2-3 alternative varieties for conducting OFTs under varietal trials for evaluation/performance. Under some specific conditions OFTs may also be conducted at KVK Farm before taking it to Farmers field. FLD on Agric Eco should be taken under training programme.</p> <p style="text-align: right;">(Action: KVK, Sivasagar)</p>
36	<p>Instead of OFT on Japanese Quail- go for FLD on it.</p> <p style="text-align: right;">(Action: KVK, Sonitpur)</p>
37	<p>Detail farmers' practices should be mentioned, FLD on Vermi-compost to be mentioned as Enriched Vermi-compost, ZnSo4 dose to be reduced.</p> <p style="text-align: right;">(Action: KVK, Tinsukia)</p>
38	<p>Equivalent yield in relay cropping is to be presented, Yield and B:C ratio are to be modified in fishery, In Rice – toria system yield of both crop with equivalent yield to be presented.</p> <p style="text-align: right;">(Action: KVK, Bishnupur)</p>
39	<p>Parameters like Production per day should be replaced with production per hectare unit. Photos of Paddy Thresher show hulling of paddy not threshing, which is to be verified. Moreover, unit of paddy threshed should be rectified to reflect in a proper way. OFT on poultry "Nirbheek" should be stooped. Variety M27 of rapeseed variety in FLD should be replaced with a high yielding new rapeseed variety. Seed material in seed production has to be enhanced to produce in participatory mode.</p>

		(Action: KVK, Chandel)
40	In Zero tillage in rapeseed – treatments should be zero tillage and conventional tillage, record the disease and pest in OFT in Papaya, in FLD on in situ – compare with polymer sheet, go for INM instead of single foliar application, in FLD on bee keeping – keep bee boxes in toria.	(Action: KVK, Chaurachandpur)
41	In OFT on Soya paneer demand and supply of paneer in the district should be analyzed and cluster development lead to EDP should be created. On OFT in Drip irrigation under poly mulch data on water efficiency should be mentioned. Data on Gross cost, Gross return, Net Return etc should be corrected as there is mismatching.	(Action: KVK, Imphal East)
42	Soil Health Card target is to be fulfilled.	(Action: KVK, Imphal West)
43	Suggested to try new breed of pig- Rani and Asha developed from NRC pig, Rani, .replace the Cauliflower crop by Broccoli, promote enriched vermicompost instead of Vermicompost, go for FLD on TPS instead of OFT on it.	(Action: KVK, Senapati)
44	KVK Tamenglong was asked to recast the Annual Progress Report, Annual Action Plan, Doubling Farmers Income.	(Action: KVK, Tamenglong)
45	OFT on dyes under Home Science need to be studied about its need and demand.	(Action: KVK, Thoubal)
46	Extension publications should be in local language. In IPM of Cabbage Farmers’ Practice is to be mentioned.	(Action: KVK, Ukhrul)
47	Yield of oft is to be rechecked, Yield of rice Variety Shahsarang to be verified.	(Action: KVK, East Khasi Hills)
48	OFT in lentil – verify the yield data and try it in next year, OFT in fishery – mention the proper stock density, advised to go for processing of ginger and turmeric, OFT in tomato – farmers practice should be specified, verify the yield data of honey bee, refine the composite fish culture in the action plan, OFT of paddy (CAU R 1) and Lentil (HULL 57) – should be combine and in cropping sequence mode, FLD on Nutritional gardening should be done in schools and set up one vermin compost unit.	(Action: KVK, Jaintia Hills)
49	Technology under trial to be mentioned in detail and well highlighted in presentation. Old technology should not be repeated for FLD programme eg: Arkel, Eco-friendly smokeless chola can also be introduced with beehive briquette.	(Action: KVK, Ri Bhoi)
50	Yield of grain Pea to be checked, to establish IFS Model at KVK farm is suggested.	(Action: KVK, West Garo Hills)
51	OFT on sowing of pea should come under assessment, not in refinement, OFT/ FLD of Extension discipline should come under study, instead of OFT on deep litter housing system- go for FLD on it, introduce vermicompost instead of only composting.	(Action: KVK, West Khasi Hills)
52	OFT on Weed Management in paddy is to be verified, Soybean variety JS-335 to be changed B:C ratio of Khasi mandarin is to be reviewed.	(Action: KVK, Aizawl)
53	In OFTs of rice new improved variety should be taken. Soil Health Card preparation procedure to be discussed with the Scientists of ATARI.	(Action: KVK, Champhai)
54	OFT on Block Demonstration using polythene mulch in Groundnut in 4 ha area should have	

	<p>been FLD. Farmer's Feedback should be there in every OFT. Low cost polytunnel: Local variety of tomato should be selected instead of Arka Rakshak. Additional cost of polytunnel should also be incorporated. This technology may be selected for Farmer's Doubling Income. OFT on incidence of Fruit and shoot borer: Instead of Pungam oil Neem formulations should be used. Commercial production of Broom in any preferable brand name may be appreciated. No of Demo under FLD should be minimum 130.</p> <p style="text-align: right;">(Action: KVK, Kolasib)</p>
55	<p>In OFT on plastic Jar- go for demonstration only , not as OFT, in OFT on chilli – observe occurrence of virus, FLD on Sickle – should be under method demonstration, OFT on introduction of fruit & vegetables in pkt lunch – should be under FLD, in case of OFT/FLD on pulse crop – collect the soil data (pre & post), in OFT on vermin compost – compare with cow dung also with pig manure.</p> <p style="text-align: right;">(Action: KVK, Lunglei)</p>
56	<p>Pusa Nanha variety of Papaya can directly be used in the FLD instead of taking in OFT. For OFT a new variety may be used for higher density plantation. The best variety of Gladiolous along with Farmer's Feedback should be highlighted. Too much variety should not be included in OFT. Napier Hybrid CO-4 should be used instead of Napier CO-3 and photograph should be of best quality. The cause of Failure of OFT on Gunea grass should be identified by the concerned scientist.</p> <p style="text-align: right;">(Action: KVK, Mamit)</p>
57	<p>The confinement of Turkey Birds taken under any activities needs to checked in view of existing Wild Life Protection Act. OFT No. 1 and 2 on nutrition under Home science may be taken under Training/FLD. In the Plant Protection FLD (management of Bacterial Blight Disease in tomato) the Streptomycine should be replaced with Streptomycine.</p> <p style="text-align: right;">(Action: KVK, Saiha)</p>
58	<p>OFT of Candle making will come under FLD, OFT on Potato Chips making will come under Skilled Development Training, OFT on Ginger Processing will come under Capacity Development Training, OFT on Drudgery reduction will come under Demonstration only.</p> <p style="text-align: right;">(Action: KVK, Serchipp)</p>
59	<p>In Oft on duck, two breeds viz. khaki campbell and broiler duck Vigova to be taken in action plan.</p> <p style="text-align: right;">(Action: KVK, Dimapur)</p>
60	<p>Cost of cultivation and net return should be verified in OFT of Okra and Beetroot, OFT on use of common salt as weedicide in rice crop should be dropped, OFT on management of insect pest in Okra will go to Demonstration, OFT on performance of new improved sickle in drudgery reduction will go to Demonstration.</p> <p style="text-align: right;">(Action: KVK, Kohima)</p>
61	<p>Shelf Life to be included as Assessment parameter under OFT on Gerbera, Parameter of assessment under farmers Practices should be mentioned, Demonstration programme on Citrus rejuvenation should be introduced, All Mobile advisory should be based on weather report and market oriented.</p> <p style="text-align: right;">(Action: KVK, Longleng)</p>
62	<p>OFT on rice varieties to be reduced to maximum three and 1 variety as check, Mention farmers' practice, Change chilli variety Daiya, At least two variety instead of one with farmers practice as check under OFT in PB&G, Under FLD on Paddy add RCM-30 with CAUR 1, Write technology details for all activities.</p> <p style="text-align: right;">(Action: KVK, Mokokchung)</p>
63	<p>Yield data in line sowing of paddy is to be checked, in case of pea problem should be inadequate nutrient management, Oft on pigeon pea to be dropped, Percent calculation in</p>

	maize data may be corrected, old chemicals like utrazine should be avoided in KVK Programme, yield of Zinger, soybean, Maize and Toria are to be reviewed. (Action: KVK, Mon)
64	Verify the yield of Lentil in OFT, Calculation on OFT on control of leaf folder in rice is to be checked. (Action: KVK, Phek)
65	Non germination of seeds of tomato under OFT on Management of bacterial wilt should not arise since the OFT comes under plant protection. In such cases concerned scientist should give due consideration. In Srinidhi poultry egg laid per year has to be depicted. (Action: KVK, Tuengsang)
66	OFT on Zero Energy Cool Chamber will go under Demonstration, In OFTs, result of Farmers' Practice to be mentioned, Hot water treatment in ginger is to be taken up under Demonstration, All FLDs under Home Science is to be conducted under training. (Action: KVK, Zunheboto)
67	OFT on Tomato var. Arka Rakshak and garden pea Var. Kashi Udoy to be taken up. (Action: KVK, East Sikkim)
68	In OFT on Rajma- write organic instead of INM treatment, instead of OFT on insect trap, go for FLD on it, instead of calculating total income of the farmers as a whole in the adopted village for Doubling, farmers income, calculate the income of each family separately. (Action: KVK, North Sikkim)
69	Application of FYM 15-20t/ha is not feasible in field condition. Quantity to be reviewed and reduced, Locally available feeds should be utilised for sustainability. (Amount of nutrient replaced by locally available feed should be quantified). (Action: KVK, South Sikkim)
70	Yield and economics of potato trial is to be reviewed. (Action: KVK, West Sikkim)
71	Unit of yield data is to be corrected, check the cost of banana bag. Value added compost is to be dropped, problem of cucurbits to be reviewed. Nitrogen dose under OFT in Rice. The parameter 0 and 1.5 th of Recommended dose to be omitted. (Action: KVK, Khowai)
72	Display board of uniform design should be displayed in all KVKs. More than one variety should have been taken for trial. Verify the yield of Elephant Foot Yam in OFT-4. In OFT-7 of fish under rice culture, common carp fish species should have been included. In OFT-9, trial on fodder should come under Agronomy and not under Animal Science, since data on animal was not taken. (Action: KVK, North Tripura)
73	Use of Ducks as Aerator, FLD on Submergence tolerant Rice, Duration of submergence to be included as parameter, FLD on HQPM-1 to be replaced with HQPM-5, Name of the cross breed to be clearly mentioned. (Action: KVK, South Tripura)