

**Proceeding of the Annual Zonal Workshop of KVKs, 2013-14 organized by  
the Zonal Project Directorate, Zone-III, Umiam, Meghalaya in collaboration  
with Assam Agricultural University, Jorhat, Assam**

**(May 28-30, 2014)**

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The Annual Zonal Workshop 2013-14 of KVKs under Zone-III was organized by the Zonal Project Directorate (Zone-III) in collaboration with Assam Agricultural University, Jorhat during **28<sup>th</sup> to 30<sup>th</sup> of May, 2014** at the campus of College of Veterinary Science, Khanapara, Guwahati-22, Assam. Over 100 participants from different organizations including Programme Coordinators of KVKs under Zone-III, representative from the Division of Agricultural Extension, ICAR, New Delhi, Zonal Project Directors, Zone-II, Kolkata and Zone-VII, Jabalpur, College of Veterinary Science, AAU, Khanapara, Assam Agricultural University, Jorhat, Assam, Regional Rainfed Lowland Rice Research Station, Gerua, Assam besides staff from ZPD-III, Umiam, Meghalaya participated in the programme. The workshop comprised of an inaugural session, a Special Session, chaired by the Hon'ble Minister of Agriculture, Govt. of Assam, Shri Nilomoni Sen Deka, five technical sessions and a valedictory function.

**Inaugural session**

The inaugural session of the workshop commenced with lighting of the inaugural lamp and felicitation to dignitaries. Dr. A. K. Singh, Zonal Project Director, Zone-II, Kolkata was the chief guest of the inaugural session of the workshop. Dr. K. Borkakoti, Director of Agriculture, Govt. of Assam, Dr. R.N. Goswami, Dean, College of Veterinary Science, Khanapara, Dr. A. K. Gogoi, Zonal Project Director, Zone- III, Dr. H.C. Bhattacharyya, Director of Extension Education, Assam Agricultural University, Jorhat, Dr. M. Premjit Singh, Director of Extension Education, Central Agricultural University, Imphal, Manipur, Dr. Dilip Kumar Sharma, Director, NRC Pig, Rani, and Dr. A.K. Singha, Principal Scientist, Zonal Project Directorate, Zone-III, Umiam, Meghalaya were the other dignitaries present on the dais. Dr. A.K. Singha, Principal Scientist (AE), Zonal Project Directorate, Zone-III offered the welcome address to the dignitaries and other distinguished guests, invitees and Programme Coordinators of KVKs to the Zonal Workshop of KVK, 2013-14. The Chief Guest in his highly thought instigating speech emphasized with appreciation the ever increasing role of KVKs in the region through convergence with the various developmental agencies and other stakeholders in enhancing the production and productivity of major food crops and livestock enterprises for achieving food sufficiency and

livelihood security of the farmers of North East. At the very outset, Dr. A.K. Gogoi, ZPD, Zone III appraised the house about the contribution made by the KVKs in the National productivity despite of several constraints. Further he stressed upon the togetherness of all stakeholders. The Zonal Project Director, Zone-III threw light on the theme, objectives, importance and other relevant areas of the workshop. The inaugural session continued with the remarks and suggestions by other dignitaries and release of various publications of Zonal Project Directorate, Zone-III and KVKs of the region. Dr. H.C. Bhattacharya, the Director of Extension Education, AAU, Jorhat appreciated the Zonal Project Director and his team for the performance made during the year. He pointed out that the KVK system should play pivotal role as key institute for establishing linkages and urged upon the e-extension where the farmers and specialists can interact instantly. The future extension should look forward for new areas like aeropony, hydropony and also the specialty agriculture. Dr. K. Sarma, Director NRC Pig, Guwahati, felt that the performance of the KVKs was dependent on the available fund and facilities. Hence, during evaluation this point should be taken into consideration. He stressed upon the integration of agriculture along with other components like veterinary, fishery etc. While sharing his experiences, the Director of Agriculture, Govt. of Assam, Dr. K. Barkakoty pointed out that the farmers should be updated regularly by providing newer technologies. Considering the importance of seed availability, Seed Grower Association must be promoted by the KVK system, he noted. He also requested to present some of success stories in the inaugural session. Expressing satisfaction over the performance of KVK system, Dr. R.N. Goswamy, the Dean, College of Veterinary Science, Guwahati, stressed on the strengthening the Animal Husbandry scientists in the KVKs. In between, the dignitaries released several publications contributed by the scientists of Zonal Project Directorate, Zone-III, Umiam and different KVKs. They felicitated two progressive farmers, Mr. Pankaj Kalita, from Nalbari and Jallaluddin Ahmed from Sonitpur. In his special guest lecture, Dr. A.K. Singh, ZPD, Zone II, opined that the frontier technologies generated from research should be presented in the research/extension meeting. According to him farmer need technologies in totality. Quoting the examples of technologies prescribed for mitigating natural calamities, he felt that the required materials/articles are not available. The inaugural session was ended with the proposed vote of thanks from Dr. R. Bordoloi, PS, ZPD Zone III.

### **Special Session of the Workshop**

A special session, chaired by the Hon'ble Minister of Agriculture, Govt. of Assam, Shri Nilomoni Sen Deka was held in the evening of the first day of workshop. He expressed his utmost happiness to be a part of the workshop and appreciated the efforts of the Zonal Project Directorate, Zone-III to organize such meaningful event. The veteran leader in his highly insightful and inspirational speech pointed out that farm business is the driving force of not only Assam, but the entire North Eastern economy. Hence, it

has to be taken immense care of with scientific methods of processing and marketing. He urged the KVKs in the region to exercise the responsibility of newer ventures, especially for the rural youth and step into the process of sustaining enthusiasm in them such that the occupational migration can be checked. The Minister further emphasized the crucial needs of judiciously blending the indigenous knowledge and scientific technologies in light of the advancement of the national and global farming systems. The auspicious session continued with brief speeches of Dr. A.K. Gogoi, ZPD, Zone-III and Dr. A.K. Singh, ZPD, Zone-II and finally came to an end with the formal vote of thanks offered by Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat.

### **Technical Sessions**

Dr. H.C. Bhattacharyya, Director of Extension Education, Assam Agricultural University, Jorhat and Dr. M. Premjit Singh, Director of Extension Education, Central Agricultural University, Imphal, Manipur were the chairman and Co-Chairman of different technical sessions. Salient achievements of KVKs during 2013-14 were presented by individual KVKs during the 3-day workshop. The KVK workshop was also participated by Dr. A.K. Mishra, Zonal Project Director, Zone-VII, Jabalpur and Dr. V.P. Chahal, Principal Scientist (AE), Division of Agricultural Extension, ICAR, New Delhi.

#### **Technical Session-I (Highlights of the technical achievements during 2013-14)**

Chairman: Dr. A.K. Gogoi, ZPD, Zone-III

Co-Chairman: Dr. A.K. Singha, PS (AE), Zone-III

Rapporteurs: Dr. Pranab Sharma, PC, KVK, Cachar

Dr. P. Nath, PC, KVK, Sivasagar

Dr. A.K. Singha, Principal Scientist, ZPD, Zone-III presented the achievements made by the KVKs under Zone-III during last 5 years in respect of all mandated activities. Report of detailed analysis on OFT, FLD, Training, Extension Activities and seeds & planting materials generation was also presented. Discussing on the Scientific Advisory Committee Meeting which is one of the most important mandated activities, the house felt that out of 148 SACs targeted, the achievement was only 70 which is far below the expected level. ZPD, Zone-III & ZPD, Zone- II urged upon all concerned to hold at least one SAC during the year. Dr. S. Paul, Scientist, Agril. Extension, ZPD, Zone-III delivered presentation on “Training programmes organized by the KVKs under Zone-III over last five years: Trend analysis”. Appreciating the efforts made by the Zonal Project Directorate regarding trend analysis, the house suggested to all KVKs to analyze the trend of achievements and to publish it. Dr. A.K. Singh, ZPD, Zone-

It suggested that factors affecting the fluctuating trend of training programmes also needs to be analyzed. Dr. R.M. Bordoloi, Principal Scientist, ZPD, Zone-III gave a presentation on “Linkage and convergence of KVKs with other agencies and organizations”. It was observed that most of the KVKs are now working in convergence with different agencies and more convergence to be explored for getting visibility of the KVK activities. It was also noticed from the presentation that convergence and linkages also depend upon the host institute under which the KVK is functioning. Dr. Amol Bhalerao, Scientist, Agril. Extension, ZPD, Zone-III delivered presentation on “Information and communication technologies (ICTs) for KVKs”. During his presentation he emphasized on how KVKs can disseminate the messages to the farming community through ICTs.

### **Technical Session-II (Presentation by KVKs)**

Chairman: Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat

Co-Chairman: Dr. Premjit Singh, DEE, CAU, Imphal

Dr. A.K. Gogoi, ZPD, Zone-III

Rapporteur: Dr. H. K. Bhattachryya, PC, KVK Dibrugarh

Dr. U.K. Baruah, PC, KVK, Goalpara

### **General recommendations**

1. Maximum number of treatments under one OFT should not exceed three (**Action:** All KVKs concerned).
2. Design of OFTs for agriculture, horticulture, animal husbandry and fisheries shall be published by Assam Agricultural University (**Action:** DEE, AAU, Jorhat).
3. No FLD should be conducted on non-descript breeds of animals (**Action:** All KVKs concerned).
4. Although OFT should be conducted only on recommended technologies, the Assam Agricultural University has made a guideline for conducting OFTs which should be released as early as possible (**Action:** AAU, Jorhat, Assam).
5. Vacant posts of SMSs and other staffs should be filled up as soon as possible (**Action:** All hosts concerned)

### **Specific recommendations**

1. Name of the species of fishes should be mentioned (**Action:** KVK East Siang)

2. Another OFT should be conducted on Dol painted with burnt mobil (**Action:** KVK West Tripura).
3. Application of *Azotobacter* in transplanted rice is a wrong treatment, hence should not be followed in future (**Action:** KVK West Tripura).
4. Application of lime is not required for transplanted rice (**Action:** KVK West Tripura).
5. OFT on *Azospirillum* should be repeated (**Action:** KVK West Tripura).
6. OFT on Assessment of soil amendments for better performance of maize should be repeated (**Action:** KVK, West Tripura).
7. Bio-pesticides should be used in place of chemical pesticides in Mizoram (**Action:** KVK Lunglei).
8. Citrus rejuvenation combining with nutrient management should be taken up (**Action:** KVK Lunglei).

### **Technical Session –III (Presentation by KVKs)**

Chairman: Dr. Premjit Singh, DEE, CAU, Imphal

Co-Chairman: Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat

Dr. A.K. Gogoi, ZPD, Zone-III

Rapporteur: Ms. Lalmounzovi, PC, KVK Lunglei

Dr. Manik Debnath, PC, KVK Upper Siang

### **Recommendations**

1. During presentation only significant achievements should be highlighted (**Action:** All KVKs).
2. While distributing livestock inputs to the farmers, it should be ensured that initial quantity distributed to the farmers should be returned to the KVK after establishment of the farm (**Action:** all KVKs).
3. Selection of farmers for vocational training should be initiated in consultation with relevant institutions (**Action:** All KVKs).
4. During castration (chemical etc.) social acceptance should be taken into consideration (**Action:** All KVKs).
5. Citrus rejuvenation can cover all aspects of citrus where separate OFT on micronutrients is not necessary (**Action:** KVK, East Kameng).

6. Assam Lemon as barrier crop should be used for protection from wild animals (**Action:** KVK, Tirap).
7. Early sowing of mustard should be done before 15<sup>th</sup> November and not after 30<sup>th</sup> November (**Action:** All KVKs).
8. Comparison of technology with the farmers practice is must for all OFTs (**Action:** All KVKs).
9. MLT should not be included as OFT (**Action:** KVK, Nagaon).
10. House suggested that for fibre extraction of banana, the comparison between *acuminata* and *barbiciana* spp. should be taken into consideration (**Action:** KVK, Dimapur).

#### **Technical session- IV (Presentation by KVKs)**

Chairman: Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat

Co-Chairman: Dr. Premjit Singh, DEE, CAU, Imphal

Dr. P. Hazarika, Assoc. DEE, CVSc, AAU, Khanapara

Rapporteur: Dr. Subrata Shib, PC KVK Dhalai

Dr. Chinmoy Sharma, PC KVK Dhubri

#### **Recommendations**

1. Technology of each OFT should be provided properly in the Annual report/ presentation (**Action:** All KVKs)
2. Performance indicator should be provided in case of OFTs in Agri Extension discipline (**Action:** All KVKs concerned).
3. Technology for seed production should be well defined in case of OFTs. (**Action:** KVK , Upper Siang)
4. Convergence with other agencies/organization should be made for better coverage of disseminated technology in the district (**Action:** All KVKs)
5. Toria crop may be taken under Rice (long duration) – Toria cropping sequence ( **Action:** KVK, Chirang, Assam)
6. Soil test report must be provided in case of OFT on soil health Management technology (**Action:** All KVKs).

### **Technical session- V (Presentation by KVKs)**

Chairman: Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat

Co-Chairman: Dr. Premjit Singh, DEE, CAU, Imphal

Dr. A.K. Singha, Principal Scientist, ZPD

Rapporteur: Dr. A.K. Singh, PC, KVK South Tripura

Dr. P. Nath, PC, KVK Sivasagar

### **Recommendations**

1. Revolving fund should be utilized in consultation with host institute. (**Action:** KVKs of Manipur)
2. Economic analysis of all the OFT/FLDs need to be rechecked (**Action:** All KVK)
3. Programme on rejuvenation of jhum lands should be taken in shifting cultivation area of concurrent district (Action: All KVKs concerned).
4. Broom grass should be promoted on wasteland/unutilized land under soil conservation programme ( **Action:** KVKs of Manipur)
5. Short duration rice variety may be taken during *rabi* season in Manipur in consultation with CAU (**Action:** KVKs of Manipur)
6. Mustard variety M-27 should be replaced with other improved varieties which is recommended and released by AAU under Manipur condition (**Action:** All KVKs of Manipur)
7. Soil and water conservation technology needs to be taken up in TSP district of hilly areas. (**Action:** All concerned KVKs).
8. Chemical treatment for control of insect/pest in crops may be replaced by some alternative methods in Manipur. (Action: KVKs of Manipur)

### **Technical Session-V (Presentation by KVKs)**

Chairman: Dr. A.K. Gogoi, ZPD, Zone-III

Co-Chairman: Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat

Dr. M. Premjit Singh, DEE, CAU, Imphal

Rapporteur: Dr. Pranab Sarma, PC, KVK Cachar

### **Recommendations**

1. OFT on *jhum* paddy with varieties SARS1, SARS 2, SARS 5 & SARS 6 has not given good result which may be due to thermo-sensitivity that may be considered as an important reason for bad performance. So another variety recommended from AAU may be incorporated for *jhum* paddy improvement (**Action:** KVK, North Tripura).
2. During reporting title of OFTs and technologies should be mentioned clearly (**Action:** KVK, North Tripura).
3. Yield data and economics to be checked (**Action:** KVK, West Kameng).
4. Training for extension functionaries is very less (**Action:** KVK, West Kameng).
5. Units in parameters should be as per proforma (**Action:** KVK, Lower Subansiri).
6. Simple technologies to be tested under OFT (**Action:** KVK, Dibrugarh).
7. Emphasis should be given on vocational training (**Action:** KVK, Dibrugarh).
8. Colocasia variety *Ahina Kachu* to be tried under OFT (**Action:** KVK, Imphal West).
9. Blackgram KU-301 to be promoted (**Action:** KVK, Imphal West).
10. In upland condition along with SARS varieties other varieties like VL Dhan to be tried (**Action:** KVK, East Sikkim).
11. FYM is to be substituted by green manuring crops (**Action:** KVK, East Sikkim).
12. Paddy varieties resistant to aphid to be tried under upland condition (**Action:** KVK, East Sikkim).
13. Mustard oil cake and neem oil to be tried to control the red ant infestation (**Action:** KVK, East Sikkim).
14. In higher altitude Giriraja to be tried (**Action:** KVK, West Sikkim).
15. Agroforestry intervention to be taken up (**Action:** KVK, Karbi Anglong).
16. Berkshire Piggery from Myanmar should not be tried under OFT (**Action:** KVK, Chandel).
17. Under canopy management of toria seed rate may be 7 kg/ha (**Action:** KVK, Nalbari).
18. OFT on Canopy Management in Toria to be tried under different KVKs of Assam (**Action:** All Assam KVKs).

### **Valedictory session**

The valedictory session of the workshop commenced with a brief presentation of the major recommendations of the house by Dr. R. Bordoloi, Principal Scientist, Zonal Project Directorate, Zone-III. The session came to an end with an encouraging remark by the chairman and formal vote of thanks by Dr. S. Paul, Scientist, ZPD-III.



## **List of publications released during the Annual Zonal Workshop of KVKs 2013-14**

### **I. Publications from Zonal Project Directorate, Zone-III**

#### **A. ZPD Annual Report, 2013-14**

#### **B. Technical Bulletins**

1. Integrating Small Scale Enterprises to Farm Based Livelihood: Successful KVK Initiatives in North Eastern Region. **Technical Bulletin (Vol.1)**, Zonal Project Directorate, Zone-III, Umiam, Meghalaya, India.

### **II. Publications from KVKs, Zone-III**

#### **A. Books**

1. Scientific rearing of Pig (Assamese), KVK Chirang, Assam

#### **B. Newsletter**

1. KVK East Khasi Hills, Meghalaya
2. KVK Dhubri, Assam
3. KVK Zunheboto, Nagaland
4. KVK West Khasi Hills, Meghalaya
5. KVK South Tripura
6. KVK Lakhimpur, Assam
7. KVK Dhemaji, Assam

#### **E. Technical Bulletin/ Leaflet/Folder**

1. Composite Fish Culture (KVK East Khasi Hills, Meghalaya)
2. Disease and pests in Khasi Mandarin (KVK East Khasi Hills, Meghalaya)
3. Kitchen gardening, KVK East Khasi Hills, Meghalaya
4. System of Rice Intensification, KVK East Khasi Hills, Meghalaya
5. Citrus, KVK East Khasi Hills, Meghalaya
6. Nursery raising, KVK East Khasi Hills, Meghalaya
7. Home remedy, KVK East Khasi Hills, Meghalaya
8. Glimpses of NICRA activities, KVK Dhubri
9. Banana Fibre Products (Avenues for additional income), KVK Dimapur, Nagaland

10. Rabbit Care and Management(Tips to the farmers), KVK Dimapur, Nagaland
11. Protection of Plant Varieties & Farmers' Rights Act, 2001( Te kheti kuria manu laga haq), KVK Dimapur, Nagaland
12. Backyard Poultry Farming (Avenues for livelihood improvement and nutritional security), KVK Dimapur, Nagaland
13. Technology for Soybean cultivation, KVK Zunheboto, Nagaland
14. Cultivation of Kiwi fruit, KVK Zunheboto, Nagaland
15. Benefits of growing legumes, KVK Zunheboto, Nagaland
16. Herbal feed supplement for increasing milk production, Leaflet, KVK Lohit, A.P.
17. AI in cattle, KVK Lohit, A.P.
18. Soyabean: Package and Practices for higher productivity, Leaflet, KVK West Khasi Hills, Meghalaya
19. Post harvest & marketing of flowers under protected cultivation, KVK West Khasi Hills, Meghalaya
20. New castle/Raniket disease-A deadly infection in poultry, KVK West Khasi Hills, Meghalaya
21. Rice-Fish Culture, KVK West Khasi Hills, Meghalaya
22. Ka Rukom Pynmih Riewhadem Hybrid, KVK West Khasi Hills, Meghalaya
23. Livelihood security of small and marginal farmers through Technological diversification in Meghalaya, KVK West Khasi Hills, Meghalaya
24. Success Stories, KVK West Khasi Hills, Meghalaya
25. Lentil - promising crop for rice fallow, KVK South Tripura
26. Nutrition Gardening-For better health of Smallholders, KVK South Tripura
27. Grampriya- A profitable rural poultry for Tripura, KVK South Tripura
28. Technological Intervention by KVK for Sustainable Agriculture Development in South Tripura during 11<sup>th</sup> Five Year Plan, KVK South Tripura
29. Kola Chasher Bigyan sanmat Krishi Pranali, KVK Karimganj, Assam
30. Holudher Unnata Krishi Pranali, KVK Karimganj, Assam
31. Unnata Prajuktite Beguner Chaash, KVK Karimganj, Assam
32. Tomator Unnata Krishi Pranali, KVK Karimganj, Assam
33. Minutes of Tomato Cultivation (Assamese), KVK Chirang, Assam
34. Natural fodders for Livestock, Arunachal Pradesh, KVK, Papum Pare, A.P.
35. Indigenous edible plant of Arunachal Pradesh, KVK, Papum Pare, A.P.

36. Canine vaccination card, KVK, Papum Pare, A.P.
37. Garu mahar khadya: Bivinna pranalire shodhan kari dhan kherar maan unnatkaran, KVK Dhemaji
38. Kitnashak oukhodhar byovahar aru gunagunar bikhaye kisu katha, KVK Dhemaji
39. Gahari palanar bivinna dish samuh, KVK Dhemaji
40. Nemutengar samannit kit patanga niyantran byobasthapana, KVK Dhemaji
41. Gaharir garvabasthat aru powali janmar pishat loba loga pratipalan, KVK Dhemaji
42. Bird flu ba Pakshi influenza, KVK Dhemaji
43. Vanraja: Rearing of Dual purpose coloured poultry, KVK Dhemaji
44. Ufra disease in Deep water rice, KVK Dhemaji
45. Kam kharashat kesu shar prastut pranali, KVK Dhemaji

#### ***F. Manual***

1. A status report, KVK, Papum Pare, A.P.
2. Protection of Plant varieties and Farmers' Right Act, 2001, KVK Cachar, Assam
3. Survey Sampling Methods, KVK Zunheboto, Nagaland
4. Handbook of Duck rearing (Assamese), KVK Chirang, Assam
5. Scientific fish culture technologies for Tirap district, Arunachal Pradesh, KVK Tirap, A.P.

#### ***F. CD/ Crop Calendar***

1. Calendar of vegetable Products, KVK East Khasi Hills, Meghalaya
2. CD on Paddy cum Fish Culture, KVK, Lohit, Arunachal Pradesh
3. Crop Calendar and Livestock care, KVK, Chirang, Assam
4. KVK, West Khasi Hills, Meghalaya

#### **G. Performance Cards**

1. Ranjit paddy
2. Tormuj
3. Bhendi,
4. Toria (TS- 36)
5. Kal kheti
6. Vanraja
7. Khaki Campbell

### Inaugural Session

Date: 28-05-2014

Venue: CVSc, AAU, Khanapara

Time	Agenda	
10.00 hrs.	<b>Lighting of Inaugural Lamps and Felicitation to Dignitaries</b>	
10.10 hrs.	Welcome Address	Dr. A.K. Singha, Principal Scientist, ZPD-III
10.15 hrs.	Theme & Objectives of the Workshop	Dr. A.K. Gogoi, Zonal Project Director, Zone-III
10.25 hrs.	Address by Guest of Honour	Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat, Assam
10.35 hrs.	Address by Guest of Honour	Dr. D.K. Sharma, Director, NRC on Pig, Rani, Assam
10.45 hrs.	Address by Guest of Honour	Dr. K. Borkakoti, Director of Agriculture, Govt. of Assam
10.55 hrs.	Address by Guest of Honour	Dr. R.N. Goswami, Dean, CVSc, AAU, Khanapara
11.05 hrs.	<b>Release of Publications</b>	
11.20 hrs.	Address by Chief Guest	Dr. A.K. Singh, ZPD, Zone-II, Kolkata
11.30 hrs.	Vote of Thanks	Dr. R. Bordoloi, Pr. Scientist, ZPD-III

### **Programme Schedule and Agenda of Annual Zonal Workshop 2013-14**

<b>Day-I (May 28, 2014)</b>	
<b>09.30 hrs.</b>	<b>Registration</b>
<b>10.00 -11.30 hrs.</b>	<b>Inaugural Session</b>
<b>11.30-11.40 hrs.</b>	<b>Tea Break</b>
	<b>Technical Session- I (Highlights of the technical achievements during 2013-14)</b>
<b>11.40 -12.30hrs.</b>	<b>Chairman:</b> Dr. A.K. Gogoi, ZPD, Zone-III <b>Co-Chairman:</b> Dr. A.K. Singha, PS (AE), Zone-III <b>Rapporteurs:</b> Dr. Pranab Sharma, PC, KVK, Cachar Dr. P. Nath, PC, KVK, Sivasagar
	<b>Technical Session-II (Presentation by KVKs)</b>

<b>12.30-13.30hrs. (15 minutes for each presentation)</b>	<b>Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat <b>Co-Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal Dr. A.K. Gogoi, ZPD, Zone-III <b>Rapporteur:</b> Dr. H. K. Bhattacharyya, PC, KVK Dibrugarh Dr. U.K. Baruah, PC, KVK, Goalpara
<b>13.30-14.30 hrs.</b>	<b>Lunch Break</b>
<b>14.30-15.30 hrs. (15 minutes for each presentation)</b>	<b>Technical Session-II Continued (Presentation by KVKs)</b>
<b>15.30hrs.</b>	<b>Tea Break</b>
<b>15.45- 17.30hrs. (15 minutes for each presentation)</b>	<b>Technical Session-II Continued (Presentation by KVKs)</b>
<b>17.30- 18:30 hrs.</b>	<b>Special Session</b> <b>Chief guest:</b> Shri Nilomoni Sen Deka, Hon'ble Minister of Agriculture, Govt. of Assam
<b>Day-2 (May 29, 2014)</b>	
<b>Technical Session –III (Presentation by KVK)</b>	
<b>09.30-11.30hrs. (15 minutes for each presentation)</b>	<b>Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal <b>Co-Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat Dr. A.K. Gogoi, ZPD, Zone-III <b>Rapporteur:</b> Ms. Lalmounzovi, PC, KVK Lunglei Dr. Manik Debnath, PC, KVK Upper Siang
<b>11.30 -11.40 hrs.</b>	<b>Tea Break</b>
<b>Technical Session –III Continued</b>	
<b>11.40- 13.30 hrs (15 minutes for each presentation)</b>	<b>Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal <b>Co-Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat Dr. M. Neog, Assoc. DEE, AAU, Jorhat <b>Rapporteur:</b> Ms. Lalmounzovi, PC, KVK Lunglei Dr. Manik Debnath, PC, KVK Upper Siang
<b>13.30 -14.30 hrs.</b>	<b>Lunch Break</b>
<b>Technical Session – IV</b>	

<b>14.30-15.30 hrs.</b> <b>(15 minutes for each presentation)</b>	<b>Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat <b>Co-Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal Dr. P. Hazarika, Assoc. DEE, CVSc, AAU, Khanapara <b>Rapporteur:</b> Dr. Subrata Shib, PC KVK Dhalai Dr. Chinmoy Sharma, PC KVK Dhubri
<b>15.30hrs.</b>	<b>Tea Break</b>
<b>15.45- 17.30hrs.</b> <b>(15 minutes for each presentation)</b>	<b>Technical Session –IV Continued</b>
<b>Day-3 (May 30, 2014)</b>	
<b>09.30 -11.30 hrs.</b> <b>(15 minutes for each presentation)</b>	<b>Technical Session-V (Presentation by KVKs)</b> <b>Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat <b>Co-Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal Dr. A.K. Singha, Principal Scientist, ZPD <b>Rapporteur:</b> Dr. A.K. Singh, PC, KVK South Tripura Dr. P. Nath, PC, KVK Sivasagar
<b>11.30 -11.40 hrs.</b>	<b>Tea Break</b>
<b>Technical Session-VI (Presentation by KVKs)</b>	
<b>11.40 -13.30 hrs. (15 minutes for each presentation)</b>	<b>Chairman:</b> Dr. Premjit Singh, DEE, CAU, Imphal <b>Co-Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat Dr. M. Neog, Assoc. DEE, AAU, Jorhat <b>Rapporteur:</b> Dr. Pranab Sarma, PC, KVK Cachar Dr. L. C. Patel, PC KVK West Tripura
<b>13.30-14.30 hrs.</b>	<b>Lunch Break</b>
<b>14.30 -16.00 hrs.</b>	<b>Presentation of Proceedings and Open Forum</b>
	<b>Chairman:</b> Dr. A.K. Gogoi, ZPD, Zone-III <b>Co-Chairman:</b> Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat Dr. M. Premjit Singh, DEE, CAU, Imphal <b>Rapporteur:</b> Dr. Pranab Sarma, PC, KVK Cachar Dr. L. C. Patel, PC KVK West Tripura
<b>16.00 hrs.</b>	<b>Valedictory (Common)</b>

## Participants list (Annual Zonal Workshop of KVKs 2013-14)

Sl.no	Name of the Participant	Organization (KVKs)
1	Dr. A. K. Deka	Karbi anglong
2	Ms. M. Katahy	Karbi anglong
3	Dr. Rakesh Kr. Chaurasei	Zunhebeto
4	Dr. N. N. Shyam	Golaghat
5	Dr. R. K. Imotombe Singh	Bishnupur
6	Mr. R. W. Bourkati	Golaghat
7	Dr. M. Thoi thoi Singh	Thaubal
8	Dr. N. Johnson Singh	East Sikkim
9	Dr. Debasis Sasmal	Lohit
10	Dr. Manoj Kumar	Longleng
11	N. Khumdemo Ejung	Wokha
12	Dr. Ruokuoichi	mon
13	Dr. Keviletsu Khoto	Tuensang
14	Dr. V. Akashe Zhimomi	Kohima
15	Dr. Sanjoy Borthakur	East Kameng
16	Dr. H. K. Bhattacharya	Dibrugargh
17	Dr. M. K. Bhuyan	Kokrajhar
18	Dr. H. Prasad	Aizawl
19	Dr.Pijush Kanti Biswas	Mokokchung
20	Dr. L. Loken Singh	Ukhrul
21	Dr. W. Rajen Singh	Churachanpur
22	Dr. Vanlalhrauaia Hnamte	Mamit
23	L. Chaingte	Kolasib
24	Dr.Lalmuanzovi	Lunglei
25	Dr. N. Deka	Lakhimpur
26	Buddhabora	Lakhimpur
27	Dr. Biswajit Guha	Nagaon
28	Dr. Phuleswar Nath	Sivasagar
29	Dr.Deepanjali Deori	Upper Subansiri
30	Dr. Tanmay Samajdar	West Garo Hill
31	Dr. Mridul Deka	Nalbari
32	Dr. M.C. Nath	Upper Siang
33	Dr. Mahesh Pathak	East Siang
34	Dr. Narendra Kumar	Changlang
35	Mariana Dkhar	West Khasi Hill
36	Shri. Ereneus K Marbaniang	West Khasi Hill
37	Dr. A. N. Tripathi	Lower Subansiri
38	Pynbiang lang K. Umnuid	Jaintia Hill
39	Shri. M. J. Syngkon	Jaintia Hill
40	Shanme Bansan Marbaniang	East Khasi Hill
41	Sambor Lang Malngaing	East Khsi Hill
42	Tarun K. Das	West Garo Hill
43	Diganta Kr. Bora	Tinsukia
44	Dr. A. C. Sarma	Tinsukia
45	Dr. F. U. A. Ahmed	Karimganj
46	Dr. Pranabjyoti Sarma	Cachar
47	Shri. Bhaskarjyoti Sarma	Chirang
48	Shri. Abhishek Kumar	Hailakandi
49	Dr. Utpal Jyoti Sarma	Udalguri

50	Dr. Alak Chowdhury	Dhalai
51	A.Kiran Kumar Singh	West Siang
52	Debaraj Burman	Dhalai
53	Mrs. Mayuri Bora	Nalbari
54	Chinmy K. Sarma	Dhubri
55	Mr. Tiling Tabyo	Papumpare
56	Pabitra Kr. Bordaloi	Darang
57	Dr. T. Heli	Papumpare
58	Dr. M. P. Borthakur	SAMETI
59	Dr. U. K. Baruah	Goalpara
60	Dr. D. S. Chhonkar	Tirap
61	Dr. R. Borgohai	Jorhat
62	Dr. R. Sarma	Barpeta
63	Dr. Purnima Devi	West Kameng
64	Ruli Bhuyan	GREENS
65	Iswar Ch. Bhuyan	GREENS
66	Dr. R. O. Bhutia	West Sikkim
67	Dr. R. K. Singh	Phek
68	Dr. Jogesh Goswami	Jorhat
69	Amol K. Bhalerao	ZPD- III
70	Dr. H. L. Singh	ZPD- III
71	Dr. Anamika Sharma	Dimapur
72	Dr. T.J.Ramesha	Lower Dibang Valley
73	Dr. L. C. Patel	West Tripura
74	Mrs. Mousumi Gohain Das	Ri- Bhoi
75	Dr. Indu	Tawang
76	Tilak	South Sikkim
77	J.J Bhutia	North Sikkim
78	C.Rualthankhuma	Lawngtlai
79	Vanlalhmuaka Ngente	Serchip
80	Dr.Lalzaidami	Saiha
81	Sanyaola Kengoo Raman	Imphal West
82	Dr. T. Medhabati Devi	Imphal East
83	Dr. A. Ali	Nalbari
84	Rohini Saiwal	West Sikkim
85	Dr. P. C. Deka	Sonitpur
86	Dr. D. N. Kalita	Kamrup
87	Dr. N. Jyotsna	Senapati
88	Dr. A. K. Singh	South Tripura
89	Dr. P. Singh	DEE, CAU
90	Dr. A. K. Singh	ZPD- II
91	Dr. H. C. Bhattacharya	DEE, AAU
92	Dr. R. N. Goswami	CVSC
93	Dr. D. K. Sharma	MRCPG
94	Dr.K. Barkakoti	Assam Agriculture Deptt.
95	Dr. A. K. Gogoi	ZPD ZONE-III
96	Dr. A. K. Singha	ZPD ZONE-III
97	Dr. R. Bordoloi	ZPD ZONE-III
98	Dr. P. C. Jat	ZPD ZONE-III
99	Dr. S. Pal	ZPD ZONE-III
100	Dr. M. Neog	AAU, Jorhat
101	Shri. Kajal Datta	ZPD ZONE-III
102	Shri. J. Wahlang	ZPD ZONE-III



103	Mrs. A. Pyrtuh	ZPD ZONE-III
104	Mr. L. Barman	
105	Mr. Chandan	

**PROCEEDINGS OF ANNUAL ZONAL WORKSHOP OF KVKS, 2013-14**

**(May 28-30, 2014)**



**ZONAL PROJECT DIRETORATE, ZONE-III, ICAR, BARAPANI  
(UMIAM), MEGHALAYA-793103**