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Editorial

Green Sim Card  
and QPM for food

On Farm Testings

Fishery of Mamit

Trainings, Visitors

A good name is more desirable than great riches;  
 to be esteemed is better than silver or gold.  
 Rich and poor have this in common:  
 the Lord is the Maker of them all.  
 A prudent man sees danger and takes refuge,  
 but the simple keep going and suffer for it.  
 Humility and the fear of the Lord bring wealth and honor and life.

### INAUGURATION OF V-SAT AND WEBSITE OF KVK,LENGPUI

The Hon'ble MLA and Parliamentary Secretary i/c Agriculture **Shri K.S. Thanga** had an official visit of KVK, Lengpui on 6th March,2009 and inaugurated V-SAT as well as our own website. He was accompanied by Dr. O.P Singh, Director of Agriculture (R & E) and Shri Lalrinliana, DAO Kolasib. A short function was organised to receive him and introduced the working staff of KVK and the on going activities. Shri. K.S Thanga shared his views on the need for improving livelihood of farmers of Mamit district and encouraged the staff of KVK, Lengpui on the efforts made.



Dr. O.P Singh also shared the successful har-

### PLANT AND ANIMAL FREE CLINIC

A Plant and Animal free clinic in collaboration with Agriculture and AH & Vety Department, was conducted at Mamit on the 28th April'09. This clinic was inaugurated by Shri Zahlira Hrahse DA0, Mamit where he humbly stated that such an activity was first of its kind and encouraged more free clinics for the future. The farmers were given chemicals and medicines for free as well as consultations on any problem they were facing in plant protection and animal rearing. A total of 125 farmers benefited the camp. Free Animal Camps were also conducted at Marpara 'North' on the 30th April'09 and Silsuri on the 1st of May'09. These villages are inhabited by the Chakma tribe of Mizoram bordering Bangladesh. A total of 25 cases were registered.



### ANIMAL VACCINATION

A mass vaccination campaign was conducted on 10th and 13th June'09 in which a door to door vaccination with the help of the Village Council members against Swine Fever was performed. A total of 280 pigs were vaccinated within Lengpui village alone. Anti-Rabies vaccine is also given at KVK, Lengpui campus



## Editorial

During this quarters, I attended two important meetings. One is the meeting cum interaction of PCs with new DDG(AE) at AAU, Jorhat where the new DDG(AE) Dr.K.D.Kokate, a young and experienced Scientist interacted with PCs of NE State. In the presence of him, Vice Chancellor of AAU, the Zonal Project Director, and other important dignitaries, the second issue of Our Newsletter (Newsletter of KVK, Mamit District) was released by Mr. S.K.Das Gupta, Chairman, Ramkrishna Sena Kendra, Kolkatta. It was a thrilling moment for this KVK!

The second meeting was at TNAU, Coimbatore where Project Directorate Zone-III & TNAU organized a Sensitization Programme on Agril. Portal & ICT on 1&2nd June, 2009. It was an exposure to the experienced and matured institution. Their useful technique like e-extension, Precision Farming, SRI, etc. were taught which were very useful and beneficial to a learning KVKs like us. Thanks to the ZPD, who had arranged every opportunity to us. Not only this, for PCs of Mizoram, the programme was extended with a visit to Pondicherry KVK, the first KVK in India, established in 1974. In Pondicherry, the Pelunthalaivar Kamaraj KVK is like a mini University! Equipped with every facilities! It is fully being utilized as center of Excellence by the state Government. KVK could be much better utilized if the State Government realized its opportunity. ICAR provided a ground for Training and Research and also infrastructures like Buildings, staff, etc. and the



utilization is for the State.

*-R.K. Nithanga*

### GREEN SIM CARDS FOR FARMERS

*- Henry Sapalrinliana SMS (Soil Science)*

The first Green Revolution in India was an era where Agriculture flourished and benefited many of its farmers. The revolution was purely based on inputs which yielded a high output. Chemical fertilizers, mechanized inventories and other chemicals were employed during this revolution.

Gradually, the Second Green revolution has taken off its flight. Unlike the first green revolution, this revolution is being based purely on information –

both FM and special programmes relayed on local stations, internets, telephones and mobiles – call centers etc. Among these forms of information input, mobile would seem to be one great implement to solve the many unanswered queries and problems of far flung farmers.

Recently, IFFCO along with Airtel has launched a SIM card for the farmers labeled to be as “IFFCO Green Card”. This SIM card can be operated from any common mobile phones available in the market. Farmers have an opportunity call rate of 0.50p/call. Information is usually received as text messages but for farmers who cannot read or write, interactive helpline is also available where they can have direct interaction with experts.

### QPM FOR FOOD AND NUTRITIONAL SECURITY IN INDIA

In India maize is cultivated in an area of 8.26 Million hectare with a productivity of 23.37 quintal/ha. As compared to other crops like rice, sorghum, bajra etc, the comparative growth rate with respect to area, yield and production is highest. In Mizoram also, the annual growth rate in respect to its area of cultivation, production and yield is increasing yearly – area being 10.7 thousand hectare and production being 21 thousand tones. New priorities need to be set up in the maize cultivation standards which can be comfortably put as improvement in the nutritional status of ever increasing population and enhancement in the utilization for food, feed and industrial purposes.

In India, 86% of maize is used for food and feed. QPM is nutritious than normal maize, cheap and natural source of quality protein. It can serve as a solution to the malnutrition of Indian poor masses. The quality of QPM green cob is better than normal maize and it is a low cost feed.

QPM is a good source of quality protein compared to milk. It meets out energy and protein needs of infants and children. In animals, it helps in gain in body weight, improve feed efficiency and it requires less feeds.

At present breeding programme for QPM is carried out at KVK complex. Separate production of male and female

Thanks to the Department of Sport & Youth Services, Govt. of Mizoram for providing us with a new Table Tennis Board – WALK

Please visit our website [www.kvklengpui.in](http://www.kvklengpui.in)

## On Farm Testings

Dr.Rohit Shukla, SMS(Horti)

### 1. Tomato

Five varieties of tomato Arka Alok, Arka Surabh, Jayashri 5555, Yash and Sivam were tested for their growth and yield parameters in Mamit District condition at KVK demonstration farm. Varieties Yash recorded highest yield (48 t/ha) followed by Jayashri 5555(45.6 t/ha.) Early flowering and fruiting was recorded in Arka Alok but yield of this variety(27t/ha) was very less in comparison to the rest of the varieties



### 2. Brinjal

Brinjal varieties Chhaya, Green long and Arka keshav were also tested for the growth and yield parameter. The variety Green long (42t/ha) performed better than other varieties, while the performance of Arka keshav(28 t/ha) was found to be poor in terms of yield.



### 3. Production technology of Different Vegetables under Protected Condition

On farm trial of Tomato (*var.* Pusa Rubi and Jayashri 5555), Capsicum (*var.* Swarna) and Coriander (*var.* Kalmi) was taken up in poly house and net house conditions. The main objective of these trials was to see the performance of different crops under protected condition and to find out the improved technology of these vegetables for Mamit District. The perform-



## FISHERIES IN MAMIT DISTRICT

Md.Mintul Ali, SMS (Fishery)

The district is divided into 3 RD Blocks with 121 villages. The major rivers are Tlawng, Tut, Teirei, Langkaih, Khawthlangtuipui and Mar and they are mostly governed by season and topography. The other important fishery resources are pond (700 ha), derelict water bodies (100 ha) and paddy cum fish culture area (80 ha). The per capita availability of fish in the state as a whole is only 3.42 kg/year (2001) and the state is 68.85% deficit in fish production. Mamit district is producing only 3.20 lakh kg (2007-08) of fish against the demand of 6.90 lakh kg. Presently the gap (53.58%) is filled up by importing fish from other states of the country and are sold at Rs.100/kg. Whereas the average price of locally available Indian Major Carps is Rs.100-140 per kg depending on seasonal abundance, locality and size. With its undulating landscape, it gives little scope for digging ponds. So, the district has to emphasis on creating more mini barrages to increase the culturable area for augmenting food production of the state and to reach a stage of self-dependency.

The main constrains that remains for the region are awareness and interest of the farmers towards fish farming. Farmers need to be encouraged for commercial fish farming and at the same time production of fish seed especially to meet the demand of private fish farmers should be taken up. Secondly, as the agriculture systems of this region are complex, diverse and risk prone, so, government machinery should give some real thrust, particularly in the field level in participatory mode. Importantly, in this region most of the river and other water bodies are nutrient deficient and they are critically short of stocking of fish. The rivers and other bodies should be properly stocked with fresh seeds to minimize the extent of fallow. Another serious limitation in fishery sector is very poor database. Efforts should be made so that a detail and reliable data on various parameters on fishery is maintained. An integrated multidisciplinary approach must be developed to sustain the farm income and provide necessary household nutritional security.

### BANANAS & PINE-APPLES :

As the planting season comes, 200 Nos. of Bananas *var.* Cavendish dwarf and



Queen variety

of 500 pineapple suckers were planted in KVK Demonstration Farm in April. The growth and development so far is very optimum.

## FARMERS TRAINING ON ORGANIC FARMING

Farmers' trainings on Organic farming were conducted at three different villages namely Rengdil on the 29th April'09, Zamuang on the 30th April'09 and Rawpuichhip on the 15th May'09. The Training topic includes Organic Certification, Plant Protection in Organic Farming and Vermicomposting. The Training were conducted by a team of faculty including Mr.R.K.Nithanga, Programme Coordinator, Ms.Lyncy Lalrindiki SMS (PP), Mr.Henry Saplalrinliana, SMS(Soil Sc.) and Dr. Rohit Shukla, SMS (Horti).



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## TRAINING FOR MEMBERS OF SELF HELP GROUP

A Self Help Group comprising of Dairy farmers from in and around Lengpui area had its first training on farming techniques and record keeping on the 9th of June'09 at Lecture Hall of KVK. Dr. Daniel Chiang-

nuna, Deputy Director, AH & Vety Department presented the various requisites on record keeping for dairy farmers and shared his views on how dairy farmers should make use of the various schemes the state has. Dr. C. Rinawma SMS(Animal Sc.) gave lecture on the important steps required for maintaining a healthy cattle farm.

## VISITORS

\*\*Farmers of Serchhip District totalling 23 visited KVK, Lengpui on 21st April'09 under ATMA Scheme. They were given a short lecture on High Quality Proteineous Maize, Swine Fever, Plant Protection on common crops etc.

\*\*Members of All Mizoram Farmers Union from Mamit District visited this Kendra on the 30th March'09. 5 pairs of Rabbits were given to them free of cost for multiplication amongst members. The visit was sponsored by DAO, Mamit District under ATMA scheme.

\*\*Programme Coordinators of Serchhip District, Champhai District, Kolasib District and Lunglei District visited KVK, Lengpui on their way to Kol-



Farmers of Serchhip District



AMFU Members of Mamit District

## KVK in action



New TT Board



Sowing Green Manuring Seeds



Staff Social work



Vermiculture

## TRAININGS, SEMINARS, WORKSHOPS ATTENDED BY KVK, LENGPUI

Sl no	Name of Seminar/Training/Workshop	Date	Name of Technical Staff attending the Training, etc.
1	Meeting cum Interaction with new DDG (AE) at AAU, Jorhat.	16.May.09	R.K. Nithanga , Programme Coordinator
2	Seminar cum workshop on Biodiversity Conservation at AAU Jorhat.	25-27.May.09	Lalrinsangi, SMS (Agro-forestry)
3	Sensitisation Programme on Agricultural Portal & ICT at TNAU, Coimbatore, Tamil Nadu	1&2nd June,2009	R.K.Nithanga, Programme Coordinator