



CHF Newsletter

July – September, 2015

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Visit of Hon'ble Minister of State for Home Affairs, Govt. of India, Shri Kiren Rijiju

Shri Kiren Rijiju Hon'ble Minister of State for Home Affairs, Govt. of India, visited the College of Horticulture and Forestry on 21st, August, 2015 and laid the foundation stone of PG Girls Hostel. While addressing on the occasion of foundation stone laying ceremony, Hon'ble Minister emphasized the importance of Horticulture crops in the region. With excellent climatic condition, plenty of cultivable areas,



Foundation stone of PG Girls' hostel laid by Shri Kiren Rijiju, Hon'ble Minister of State for Home Affairs, Govt. of India,

fertile soil, long growing season the whole region is considered a suitable niche for production of an array of fruits, vegetables and flowers. Region is famous for production of quality oranges, pineapple, banana and flower like orchid and anthurium, he asserted. Inviting the attention of researches and planners, Hon'ble Minister said that “with advent of modern technology, cropping pattern is changing and commercial crops and non-traditional are gradually growing more importance in line with domestic demands and export requirements”. The rise in agricultural activity will ensure a lower pressure on public spending and

employment schemes and the College of Horticulture and Forestry has been consistently making innovative efforts by using science and technology to increase productions, he stated. Further Hon'ble Minister said that horticultural commodities being perishable in nature, a good proportion of the produce are lost in transportation while reaching to markets. With difficult hilly terrains and paucity of good communication system, it is difficult to get the harvested produce to rail or road link heads. In this context, smart packaging, provision of cool chain and good processing techniques must be designed and developed. On the occasion Hon'ble Vice Chancellor Prof. M. Premjit Singh said that University is making concerted efforts to provide disease free planting material of citrus and other fruit plants to the growers of the region. The whole region has very good scope for export of organic produce, hence, College is also paying attention towards standardizing the package of practices for organic production. While welcoming the Hon'ble Minister, Vice Chancellor and other dignitaries on the occasion, Dr. A.K. Pandey, Dean explained about the various activities initiated by the College with emphasizing the climatic advantage and other natural resources of the region. Member of Parliament (Assam) Romen Deka, MLAs Kaling Moyong, Kento Rina, Olom Panyang, Tumke Bagra, DC Isha Khosla, were present on the occasion. The Union Minister also visited Citrus nursery where virus free quality planting material is being produced. While proposing the vote of thanks, Dr. B.N.Hazarika said that Shri Rijiju's visit was very meaningful and historic and would go a long way in the path of development.

Inaugural of oil palm processing unit

The oil palm processing unit was inaugurated on 8th August, 2015 by Prof. S.S. Baghel, former VC, CAU,



Inauguration of oil palm processing unit at CHF, Pasighat

Imphal & AAU, Jorhat, Assam at College of Horticulture & Forestry, Pasighat in the august presence of Prof. M. Premjit, Hon'ble Vice Chancellor, CAU, Dr. A. N. Maurya, Ex Director, IAS, BHU, Varanasi. The research work on oil palm crop (*Elaeis guineensis*) which was initiated by College of Horticulture and Forestry a decade ago is now on the blooming stage attracting the attention of growers, planners & policy makers for its area expansion and utilization. By having AICRP mode of research, now the College has got its orchards in almost 5 hectare are of land where all the plants have come to bearing stage and a good harvest of fruit bunches with a potential of 30-35 tonnes per ha is released. As the crop is coming up in an excellent way it was felt that a processing unit should be installed.

Inauguration of ATM

On 8th August an ATM unit of SBI was inaugurated by Professor S.S. Baghel, former VC, CAU, Imphal & AAU, Jorhat, Assam. While inaugurating the ATM Unit, he



Prof. S.S. Baghel, Former VC, CAU inaugurating SBI ATM unit at CHF, Pasighat

said that it is an essential facility for the students and staffs of the institute. He thanked the SBI for establishing such facility and serving the purpose of the students.

A district level pre Rabi Kisan Gosthi organized

Krishi Vigyan Kendra (KVK), East Siang and College of Horticulture & Forestry (CHF), CAU, Pasighat organized a district level pre Rabi Kisan Gosthi programme under the theme “ Mera Gaon Mera Gaurav” on 08.08.2015. While inaugurating the Kisan Gosthi, Prof S. S. Baghel, former Vice Chancellor of Central Agricultural University, Imphal, Manipur emphasized on growing crops providing high economic returns like off-season vegetables, short duration oil and legumes. He also stressed the need upon rain water harvesting, good quality fish seeds, feed for fisheries sector and diversification of agriculture i.e. poultry and piggery along with agriculture. On this occasion, Prof M Premjit Singh, Vice Chancellor, CAU gave more emphasis on growing Toria crop in Rabi season in rice fallow land of the district. He elaborated in detail the various programmes run by the University for farming



Dignitaries on the dais during Pre Rabi Kisan Gosthi

community of North East Hill Region. He also felicitated progressive farmers from the district and distributed seed of Toria and Niger, pelleted fish feed, mushroom spawn to the progressive farmers. He was of the view that such programmes should be organized on regular basis. Earlier, CHF dean Dr. A. K. Pandey briefed the house about the various extension activities

performed by the KVK and the College for the benefit of farming community of the district. Altogether, 204 progressive farmers from Mebo, Pasighat, Ruksin and Nari blocks of the district attended the programme. The progressive farmers also interacted with the scientists of KVK and faculties of CHF and expressed their views on the use of improved seeds and proven technologies for improving the production and productivity in the district.

Student-farmer orientation programme held

College of Horticulture & Forestry launched a month long student-farmer orientation w.e.f. July 21, 2015



Students of B.Sc. Horti. 4th year undergoing their Rural Horticultural Work Experience (RHWE) in Bodak village.

under Rural Horticulture Work Experience (RHWE) programme. Four groups of B.Sc. final year students took part under the guidance of RHWE coordinator Dr. R. Saravanan, engaged in nearby Bodak village. Programme comprises interview schedule, village mapping, demonstration of mulching, and other intercultural operation in citrus orchards.

The Horticulture students of College of Horticulture and Forestry, Pasighat are trying to help the orange farmers to control the most devastating pest that wrecks almost the entire citrus orchard in and around Pasighat, called 'Trunk Borer'. The B.Sc. Horticulture 4th year students of College of Horticulture and Forestry, who are undergoing their Rural Horticultural Work Experience (RHWE) in Bodak village, under their coordinator, Associate Professor Dr. R. Saravanan, demonstrated an effective

control of the pest. This involves the use of an insecticide 'Dimethoate 30EC' which is taken in a 0.1% concentration and injected into the holes made by the pest using a syringe. These holes are then blocked using a cotton or mud paste. Management methods were also demonstrated by students on how to control parasitic weed *Loranthus* and its transmission to other plants using different material to scare the bird by using reflective ribbon, shinning wrappers and scarecrows, which were suggested to be installed in the fields. Villagers of Bodak have reported remarkable result in control of the pest.

Educational Tour

An educational tour of M.Sc. (Hort) and Ph. D. (Hort.) students of the College of Horticulture and Forestry, CAU, Pasighat was conducted to visit State Horticulture Farm, Sergaon, West Kameng District,



Visit of M.Sc. (Hort) and Ph. D. (Hort.) students of CHF, CAU, Pasighat to the State Horticulture Farm, Shergaon, West Kameng District, Arunachal Pradesh

Arunachal Pradesh under the Department of Horticulture, Govt. of Arunachal Pradesh. The purpose of the tour was to get acquainted with the temperate fruits production, propagation, post-harvest handling, pest and diseases. The students had a detailed discussion with the in-charge of the farm Mr. N. Lobsang (Horticulturist) and got acquainted with about 40 varieties of apple, 3 varieties of walnut, 10 varieties of apple rootstocks, 3 varieties of pear, 2 varieties of peach besides few varieties of Cherry, Persimmon, Kiwifruit, Strawberry, Chestnut, Sweet chestnut etc. All together 9 M. Sc. (Hort) and 3 Ph. D. (Hort) students

attended the tour programme, which was conducted from 8th to 11th September, 2015.

Trainings conducted

1. A training programme on integrated pest management on Toria was organized at Sigar village by the KVK, East Siang. All together 20 farmers



Training programme at Sigar village on IPM on Toria by the KVK, East Siang.

participated during the programme. During the programme Toria Seed var. TS 38 were distributed among the participants.

2. A total of 2000 numbers of day old Vanaraja chicks were distributed to all poultry farmers of Taki Lalung and Rengeng village and two farmers of Napit village. The Vanaraja chicks were procured from ICAR-NEH, Jharnapani, Nagaland. This particular demonstration was carried out to facilitate the farmers with low cost dual purpose birds which can thrive well in backyard with good productions. The demonstration will also help in improving the existing local backyard poultry of the district, encouraging the farmers as well as helping them in generating income.



Poultry breed Vanaraja distribution to poultry farmers of Taki Lalung and Rengeng village.

3. A total of 14 numbers of Large White Yorkshire piglet were distributed to farmers of village Ayeng,

Oyan, Kiyit & Pasighat. The Large White Yorkshire piglets were collected from ICAR-Basar, Arunachal Pradesh. In this district, almost every household keep one or two pig but there is no availability



Large White Yorkshire piglet distribution to farmers of village Ayeng, Oyan, Kiyit & Pasighat

of improved pig breed which is one of the major problems faced by the pig farmers. This effort of the College will be very useful to overcome the existing problem.

Celebration of Independence Day

The 68th Independence Day was celebrated at the college with full of traditional fervor and gaiety. While unfurling the tricolor at Academic building of College of Horticulture and Forestry, Dean Dr. A.K. Pandey



Dr. A. K. Pandey, Dean, CHF addressing the students and staff during celebration of Independence Day

congratulated all students and staff on the occasion. While remembering the great martyrs on the occasion, he said that whole NEH region has enormous potential for production of a number of fruits, vegetables & flowers including Medicinal Aromatic Plants and the whole region is dominated by the tribal people who are not only custodian of this unique treasure of the nature but also have very deep understanding and traditional wisdom for their utilization. Further, he said that it is the need of hour that these natural resources should be preserved for the cause of prosperity and humanity.

Fresher's day organized at College of Horticulture & Forestry

Fresher's day was organized at College of Horticulture & Forestry on 8th August, 2015. While congratulating the newly admitted students in various UG courses viz.



Chief Guest, dignitaries, Mr. and Ms. Fresher on the occasion of Freshers' Day

Horticulture, Forestry, Agriculture Hon'ble Vice Chancellor Prof. M. Premjit Singh said the developing, creating and training the quality Human Resource is backbone of any developmental programme. Central Agriculture University being the nodal agency to impart education in various field of Agriculture, Horticulture, Engineering, Fisheries and other allied sectors are serving the NEH region and nurturing the Human Resource in very efficient way. On this occasion, Hon'ble Vice-Chancellor briefly highlighted the achievement of the university in various fields and asked the Students to pursue the education with full determination and with thoughts of serving the society.

Quiz Competition

The Students Welfare Cell of the College of Horticulture and Forestry Pasighat conducted Quiz Competition on the eve of Independence Day-2015 in collaboration with Akhil Bharatiya Viddarthi Parishad Pasighat Unit. Six teams participated in the event. The teams comprising of Mr. Panchal Bhattacharjee / Mr Meshanki Bamon and Mr Kalong Tasi/ Mr Sacchindranath Banik bagged away first and second prizes respectively.

Teachers Day celebration

The College of Horticulture and Forestry Pasighat celebrated Teachers Day on 5th September 2015. Dr. B. R. Phukan Dean I/c paid floral tributes to Great Philosopher and noted Scholar Dr. S. Radhakrishnan and he remembered him. Student Welfare Officer while welcoming the gathering highlighted the importance of celebrating the day.



Faculty members and students of CHF celebrating Teachers Day on 5th September, 2015

Visit of NSS Regional Director

Shri Sunil Kumar Basumatary, Regional Director of NSS, North East Region, Guwahati interacted NSS volunteers on 11th September 2015. He appreciated the efforts taken by NSS Unit of this college.

Parthenium Awareness Day

The National Service Scheme (NSS) Unit of College of Horticulture and Forestry, Central Agricultural University, Pasighat celebrated Parthenium Awareness Day in collaboration with the All India Coordinated Research Project on Weed Management Pasighat Centre on 12th September,

2015. Dr A K Pandey, Dean, CHF Pasighat graced the occasion as Chief Guest and he emphasized that



Dignitaries on the dais on the occasion of Parthenium Day

the NSS volunteers have a huge responsibility to aware the society about the parthenium. Dr Pandey also administered the NSS Pledge to the NSS volunteers. Earlier Dr Dinesh Sah, Principal Investigator, AICRP Weed Management presented the Power Point Presentation on Parthenium eradication to the NSS volunteers and staff. Krishna S. Tomar, NSS

Programme Officer and Coordinator of the Programme welcomed the volunteers and staff. He exhorted that the NSS unit always involves in social awareness activities and suggested the volunteers to take up this issue at community level. NSS volunteers also spoke on the occasion.

Study on runoff and sediment loss in the valley and foot-hill region of Arunachal Pradesh

An experiment was conducted during 2013-2014 by the Agricultural Engineering section of the Department of Natural Resource Management of the College of

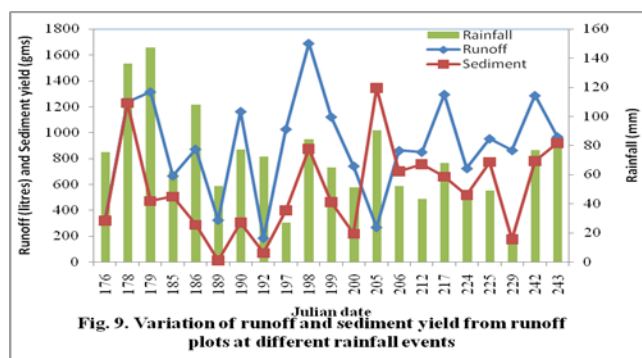


Vigorous growth of maize towards the lower side of the runoff plot



Vigorous growth of cowpea towards the lower side of the runoff plot

Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh for evaluating the different cropping practices in conserving runoff and soil loss under land slope varying from 2-3% and agro-climatic conditions of the study area. The average



annual rainfall of the study area is about 4510mm with erratic annual distribution. Effects of five types of cropping practice-slope treatments on conservation of runoff and soil loss were studied. The treatment T₄ resulted highest amount of runoff i.e. 2198.4 litres whereas the treatment T₆ resulted lowest runoff of 1120.5litres. The same trend was observed for soil loss also. Highest sediment yield was found for the treatment T₄ (maize at 3% slope) i.e. 865.8 grams and

the lowest for the treatment T₆ (cowpea at 3% slope) i.e. 289.5grams, which are significantly different from each other. The trend of the results of soil sample nutrient analysis showed that higher content of N, P, and K in lower part of the runoff plots in comparison to their middle and uppers parts. This is due to the removal of nutrient from upper part to lower part of the land along with runoff water. It is found that maize-cowpea intercropping at 2:4 resulted in 38.6 % less runoff and 30.7 % less sediment loss. The farmers usually cultivate maize as one of the remunerative kharif crop. This crop alone is not able to reduce soil erosion under this agro-climatic condition. The farmers can go for a intercropping of traditional maize with cowpea which can reduce the soil erosion considerably in the slopping lands. Hence, the farmers can be suggested not to go for single crop like maize instead to go for intercropping of maize with cowpea.

Forced flowering of pineapple

Investigation on “Forced flowering of pineapple (*Ananascomosusc*cv. Kew) in response to cold stress, ethephon, calcium carbide and activated charcoal” was carried out at Fruit Research Farm, College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh.

The treatments were imposed during the months of January, February and March. 50 ml of the different solution were poured in the center core of the plant.



From the overall assessment of the results of the present investigation, it can be concluded that use of 240 mg ethephon/ litre + 2% Urea (50ml/plant) significantly

increases the flowering percentage followed by treatment no 6 (25mg ethephon /litre + Calcium Carbide (0.04%) + 2% urea (50ml/plant). It is also evident that treatment no 6 (25mg ethephon /litre + Calcium Carbide (0.04%) + 2% urea (50ml/plant)) resulted in early initiation of flowering in Pineapple under Pasighat condition. Also, based on investigation treatment number 2 (Ice water 50ml/plant) 4 times at 15 days interval) gave the highest shelf life as compared to other treatments.

Admission of new students

New students were admitted for the academic session 2015-16. A total number of 36 students in B.Sc. (Horticulture), 17 in B.Sc. (Forestry) and 19 B.Sc. (Agriculture) were admitted respectively. 07 students were admitted in M.Sc. (Horticulture) in Fruit Science and Vegetable Science, 01 student in M.Sc. (Forestry) and 03 students in Ph.D. (Horticulture). The Orientation programme was organized on 22nd July, 2015. All the newly joined students attended the programme.

Human Resource Development

1. Dr. A.K. Pandey, Dean delivered a lecture on Prospect of vegetable production and processing Scenario in NEH Region in ICAR Sponsored Short Course on Total Value Change for vegetable crops for nutritional Security organised by IIVR, Varanasi w.e.f. 1st September – 10th September, 2015.
2. Dr. A.K. Pandey, Dean Attended the 14th Meeting of Academic Council, CAU, Imphal held at College of Vet. Sc. & AH, Selesih, Aizawl, Mizoram, on 12.08.2015.
3. Dr. Arunkumar Phurailatpam, Assistant Professor attended an ICAR sponsored summer school “Advances in Medicinal and Aromatic

Plants Research” at ICAR- Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand, Gujarat w.e.f. 14th to 3rd August, 2015.

4. Mr. Nilay Kumar, Assistant Professor attended an ICAR sponsored summer school “Advances in Medicinal and Aromatic Plants Research” at ICAR- Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand, Gujarat w.e.f. 14th to 3rd August, 2015.
5. Ms. Th. Eloni Vida, SMS, KVK attended an ICAR sponsored 10 days short term training programme on “Promoting occupational safety and drudgery reduction among farm women” at ICAR- Central Institute for Women in Agriculture, Bhubaneswar, Odisha w.e.f. 1st to 10th August, 2015.
6. Dr. Neeta Longjam, SMS, KVK attended an ICAR sponsored 10 days short term training programme on “Application of molecular techniques for epidemiological study of animal viral diseases” at department of veterinary microbiology, college of Veterinary Science and Animal Husbandry, Selesih, Aizawl, Mizoram during 26th August to 4th September, 2015.
7. Mr Krishna Singh Tomar, NSS Programme Officer, NSS Unit, CHF, Pasighat attended Training of Trainers on Gender Equity for NSS Programme Officers during 28th - 30th August, 2015 at Itanagar, Arunachal Pradesh. It was organized by the Rajiv Gandhi National Institute of Youth Development, Sriperembadur, Tamil Nadu in collaboration with the State NSS Cell, Itanagar.
8. Dr. Romen Singh, Assistant Professor, attended an ICAR sponsored 10 days short term training programme on “Integrated Farming System : An

Approach Towards Livelihood Security and Natural Resource Conservation” at ICAR Research Complex for NEH Region, Manipur Centre, Imphal during 15th to 25th September, 2015.

9. Dr. Neeta Longjam, SMS , KVK attended an ICAR sponsored 10 days short term training programme on “Integrated Farming System : An Approach Towards Livelihood Security and Natural Resource Conservation” at ICAR Research Complex for NEH Region, Manipur Centre, Imphal during 15th to 25th September, 2015.



Shri Kiren Rijijuji Hon'ble Minister of State for Home Affairs, Govt. of India, Prof. M. Premjit Singh, Hon'ble Vice-Chancellor, CAU, Imphal and other esteemed guests on the dais during Farmers Scientist Interaction programme.



Editorial Board

Dr. A. K. Pandey
Ms. Eloni Vida
Dr. Arunkumar Phurailatpam
Mr. Ripon Dam
Mr. Jayanta Kakoti

Distinguished Visitors

Sl. No.	Dignitary	Date of visit
1.	Shri Kiren Rijiju Ji, Union Minister of State for Home, GOI	21.08.2015
2.	Prof. Prof. M. Premjit Singh, Hon'ble Vice Chancellor, Imphal, Manipur	08.08.2015 21.08.2015
3.	Prof S.S Baghel, former Vice Chancellor of CAU, Imphal, Manipur and AAU, Jorhat, Assam.	08.08.2015
4.	Dr. A. N. Maurya, Ex. Director, IAS, Banaras Hindu University, Varanasi	08.08.2015
5.	Shri Romen Deka, Hon'ble Member of Parliament	21.08.2015
6.	Shri Kaling Moyong, Ho'ble MLA, Pasighat, A.P.	21.08.2015
7.	Shri Kento Rina, Hon'ble MLA, Nari-Koyu, Pasighat, A.P.	21.08.2015
8.	Shri Olom Panyang, Hon'ble MLA, Along, A.P.	21.08.2015
9.	Shri Tumke Bagra, Hon'ble MLA, Along, A.P.	21.08.2015
10.	Smt. Isha Khosla, DC, Pasighat, A.P.	21.08.2015
13.	Dr. Tangor Tapak, Former Minister, Govt. of , Arunahal Pradesh	21.08.2015