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NARC NEWSLETTER

कृषि मूलश्च जीवनम्

A Quarterly Newsletter of Nepal Agricultural Research Council (NARC)

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23 rd NARCAnnual Commemoration Day Celebrated

Nepal Agricultural Research Council (NARC) celebrated its 23rd Anniversary at NARI Premise, Khumaltar, Lalitpur on May 8, 2014 (Baisakh 25, 2071).

The Honourable Minister for Agriculture Development Mr Hari Prasad Parajuli was the chief guest inaugurated the special function by lightening the Panas.

In the special function NARC staffs including Scientists, technicians and admin staffs received plaque from chief guest for serving 25 years of their continued long service in the field of agricultural research and development. Four farmers were awarded for the adoption and dissemination of advance agricultural technology at the function.

Participants of Nepal Agricultural Research Council Annual Commemoration Day Celebration 2071 at Khumaltar, Lalitpur

Chief guest Mr. Parajuli gave award to five Journalists for their contribution in transferring information on agricultural technologies through different mass media. Similarly, three Scientists were adorned by plaque and certificate for meritorious scientific contribution in the field of agricultural research viz. Dr Ishwori Prasad Gautam in Potato, Mr. Buddhi Prakash Sharma, potato, Mrs. Sarada Joshi for pathology and Dr Dhruba Raj Bhattarai for variety improvement. On the occasion ten staffs received plaque and certificate for their contribution in the field of agricultural research and

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National Rice Day Celebrated

Nepal Agricultural Research Council (NARC) celebrated National Rice Day by transplanting rice on June 27, 2014 (Asar 15, 2071) at Agronomy Division, Khumaltar, Lalitpur with the slogan of "Rice farming

Rice transplanting by Senior Officials at Khumaltar, Lalitpur

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Nepal Agricultural Research Council (NARC) is an apex body for Agricultural Research in the country with the goal of poverty alleviation and sustainable growth of agriculture production through technology development in different aspects of agriculture.

Interaction workshop programme with local farmers

A day long interaction programme with farmers on disease management in vegetable crops was organized by Plant Pathology Division of Nepal Agricultural Research Council (NARC) at Nala VDC of Kavrepalanchok district on April 21, 2014 (8 Baisakh 2071).

Integrated disease management is one of the suitable approaches to minimize the incidence and severity of diseases in vegetable crops. Club root disease is serious problems in various vegetable crops in Nala VDC and surroundings. More than fifty farmers participated in the interaction programme and training on the disease management of vegetable crops. Principal scientist and Chief of Plant Pathology Division Dr. Baidya Nath Mahato highlighted the importance of such kind of interaction programme at farmer's field and shared his long experience on integrated disease management to local farmers. Senior scientist and Plant pathologist Dr. Ram Devi Timila and Mrs. Sharda Joshi explained on different aspects of plant diseases viz. distribution, symptoms, nature of damage, threshold level of diseases, control and its management measures. Young scientist Ms. Chetna Manandhar facilitated the programme and thrown light on integrated disease management in vegetable crops especially on nematode caused diseases.

Mr. Sahadev Prasad Humagain, Senior Agriculture Development Officer of District Agriculture Development Office (DADO) from Kavrepalanchok and Mr. Ram Bahadur Bhujel, the then chief of Outreach Research Division and currently Chief of Communication, Publication and Documentation Division (CPDD) highlighted the importance of joint programme with farmers, extensionist and researchers for effective implementation of the programme. Farmers expected to continue such kind of knowledge sharing in the future at their doorstep.

Similar type of interaction programme was also organized at Jeetpurphedi VDC of Kathmandu district on April 28, 2014 (15 Baisakh 2071) focusing on wheat diseases. Yellow rust disease of wheat is a serious problem in Jeetpurphedi area. The expert team of Plant Pathology Division visited the field site and provided technical knowledge to select the rust resistant variety of wheat at community level. The expert team was accompanied by Dr. BN Mahato, Chief Plant Pathologist, Senior Scientist and Senior Plant Pathologist Dr. Deepak Bhandari, Mrs. Sharda Joshi, Mrs. Sharla Sharma and Mr. Suraj Baidya from Plant Pathology Division. The other delegates in the team was Mr. Ram Bahadur Bhujel , then Chief of Outreach Research Division; Dr. Dhruba Bahadur Thapa, Senior Wheat Breeder of Agriculture Botany Division discussed about the improved variety and selection process of wheat genotypes for better quality seed.

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modernization, food import minimization" *(Dhan Khetima Aadhunikikaran, Khadyanna Aayatma Nyunikaran)*. Honourable Minister of Agriculture Development Mr. Hari Prasad Parajuli was the special guest of the ceremony. Honourable Member of National Planning Commission Dr. Bharatendu Mishra was the chief guest at inaugural function. Message for Special day was given by Mr. Lilamani Paudel, Chief Secretary of Government of Nepal was read by Executive Director of NARC Dr. Dil Bahadur Gurung in the occasion. Principal Scientist of International Rice Research Institute (IRRI) Dr. J.K. Ladha, CIMMYT Scientist Dr Arun Joshi, IRRI-Nepal Scientist Dr. BP Tripathi, Director General of DoAD Dr. Yubak Dhoj GC, Director General of DoLS Dr. Nar Bahadur Rajwar participated in the special function. Similarly, official representatives from Ministry of Agriculture Development, DoAD, DoLS, Programme Directorate and NARC directors, division chiefs/programme coordinators, scientists, technical officers and technicians also attended the function. Honorable Minister Mr. Parajuli and high level officials transplanted rice seedlings in well puddled rice field at Agronomy farm accompanied with farm labours. Dahi-Chiura (Yoghurt and beaten rice) was served to all participants as a *Prasad* of Asadh 15; which is Nepalese tradition with cultural value. Asadh 15 of Nepali calender has been a special festival day for farmers in the country which indicates starting of rice transplantation and farmers enjoy this day even playing with puddled muds among them. The government has decleared Asar 15 the day as Natioal Rice Day to be observed each year.

Interaction Workshop Organized

Communication, Publication and Documentation Division (CPDD) of Nepal Agricultural Research Council (NARC) organized one day workshop for the farmers at Hill Crop Research Programme (HCRP), Kabre, Dolakha District in 20 June 2014 (6 Asadh, 2071). Chief of Communication, Publication and Documentation Division (CPDD) Mr. Ram Bahadur Bhujel; Coordinator, HCRP Mr. Bhanu Pokhrel; Senior Scientist, CPDD, Mr. Manoj Thakur; Senior Scientist, HCRP, Mr. Bhim Nath Adhikari; Scientists and Technical Officers, Technicians and leader farmers of concerning sites participated in the workshop. The workshop and interaction programme with farmers was found very successful. This workshop was organized in the support of Hill Maize Research Programme (HMRP) (CIMMYT and USAID) Nepal to focus of maize technologies and their transfer to farmers and farmers' feedback to improve the system. The Interaction Workshop was chaired by leader farmer Mr. Jit Bahadur Tamang. Farmers' queries on transfer of maize technologies and related problems were answered by participant scientists. Women farmers insisted on more priority to women farmers while participating in training, visit and workshop programmes.

Coffee Research Programme Established

Nepal Agricultural Research Council (NARC) established Coffee Research Programme at Bhandaridanda, Baletaxar VDC of Gulmi District, Nepal. It is a newly established Center for Coffee Research in Nepal. Chief Secretary of Government of Nepal Mr. Lilamani Paudel was the Chief Guest of the opening ceremony of Coffee Research Programme . The ceremony was organized on Baisakh 3, 2071 (16 April, 2014) This research programme covers a total area of 100 ropanies (5.00 ha) of land for coffee plantation and research works which was provided to NARC by the decision of Nepal Government. The opening ceremony was chaired by Dr. Dil Bahadur Gurung, Executive Director, NARC. Crop and Horticulture Director of NARC, Mr. Yagya Prasad Giri welcomed to all the guests and participants and highlighted the objectives of the programme. Chief District Officer (CDO) Mr. Kamal Raj Dhakal; Ex-parliament Member Mr. Kamal Raj Shrestha; representatives from different district level political parties; Journalists; Director Mr. Dharma Datta Baral, Regional Directorate of Agriculture, Pokhara; Dr. Ram Chandra Adhikari (RD, RARS, Lumle, Kaski) and Mr. Ram Bahadur KC (Chief, ARS, Malepatan) were also present in the ceremony. Similarly, more than 400 neighborhood farmers and Chiefs of different offices in District Headquarter of Gulmi were also present in the occasion. Speaking on the Ceremony, Mr. Lilamani Paudel (Chief Secretary, Nepal Government) said that this Coffee Research Programme is the 1st and only one Coffee Programme in Nepal and is important for the local and other people of Gulmi and the countries. He further emphasized that all coffee problems will be identified and solved accordingly. It is hoped that after the establishment of the Coffee Research Center, farmers will be benefitted from the Coffee Research Programme.

Senior Officials participating in the opening ceremony of Coffee Research Programme at Gulmi

National Communication Workshop Organized

A one-day national workshop on "The role of communication in transfer of agricultural technologies" was organized by Communication, Publication and Documentation Division (CPDD), Khumaltar, Lalitpur on 11th of Asar, 2071 (25 June 2014). Chief Guest Dr. Dil Bahadur Gurung, Executive Director of Nepal Agricultural Research Council (NARC) inaugurated the workshop by lighting the Panas. Director of Livestock and Fisheries Research Dr Tek Bahadur Gurung, Director of Crops and Horticulture Research Dr. Yajna Gajadhar Khadka, Director of Finance Mr Ram Bahadur KC, Director of National Agriculture Research Institute (NARI) Dr. KP Paudel, Director of National Animal Science Research Institute (NASRI) Dr. Bhoj Raj Joshi, Former Director and Chief of CPDD Mr. Bhola Man Singh Basnet, Mr. Ram Bahadur Bhujel, Chief of CPDD, representatives from Agriculture Information and Communication Center (AICC), Dr. BP Tripathi, Nepal-IRRI Office and Agriculture Extension Directorate (AED), Chiefs/Coordinators from different disciplinary divisions/commodity programmes from NARC and Journalists from different medias participated in the workshop. Chief of CPDD Mr. Ram Bahadur Bhujel highlighted the objectives of the workshop after his welcome speech to the participants. Altogether eleven papers related to recent agricultural technologies, challenges and opportunities in technology transfer and future strategies were presented at the workshop. Media personnel also presented the current status of agricultural news, role of media in agricultural technology transfer through their media and also highlighted the media history in Nepal. Inaugural and first session was chaired by Mr. RB KC (Director Finance, NARC) followed by Dr. TB Gurung (Director, Livestock and Fisheries Research) in succeeding session. Recommendations for future improvement in agricultural technology transfer was made by the participants.

RATWG Workshop held at RARS, Lumle

One-day workshop of Regional Agriculture Technical Working Group (RATWG) was held at Regional Agricultural Research Station (RARS), Lumle on 19th Jestha, 2071 (2 June, 2014). The workshop was inaugurated by Dr. Yajna Gajadhar Khadka, Director Crops and Horticulture of Nepal Agricultural Research Council by releasing the Green Lace Wing (*Chrysoperla Carnea*). The meeting was chaired by Regional Director of RARS Dr. Ram Chandra Adhikari. Director General of DoAD Dr. Yubak Dhoj GC was the Special Guest. Similarly, Mr. Lekh Nath Sharma, Regional Director, RDOA; Dr. Bansi Sharma, Regional Director, RDLS; Buddhi Prakash Sharma, Coordinator, NPRP; Dr Bimal Kumar Nirmal, RLBC and Mr Min Prasad Budhathoki, RATC; Mr. Jhalak Bahadur Bhandari, Agriculture Dev. Bank.; Scientists, Technical Officers, Farmers and Journalists were also present in the workshop. Chiefs from different DADO and Livestock Service Offices from the different districts actively participated in the workshop and discussed on the problems of the farmers of the region. Crops and Horticulture Director Dr. Khadka emphasized information need of farmer's to be assessed and accordingly the research should be designed. Director General Dr. GC emphasized that agriculture should be commercialized and we should conserve our sustainable agriculture system. He further emphasized the need of coordination between DoAD, NARC and Educational Institution for effective transformation of agriculture knowledge to our clients.

National Winter Crops Research Workshop held

The 29th National Winter crop research workshop was organized by NARC at Regional Agricultural Research Station, Lumle from 11-12 June, 2014 (28-29 Jestha 2071). The two day workshop was held with the objectives to review the research activities on winter crops in the past two years and their outcomes; to discuss on the current problems of clients; and to recommend technologies on winter crops for release and pipeline technologies. The major winter crops grown in Nepal are Wheat, Lentil, Chickpea, Barley, Sugarcane and Mustard.

About 100 scientists, technical officers, extension workers, representatives from NARC, Department of Agriculture Development, and farmers participated in the workshop. During the workshop, coordinators of different research programmes from Wheat, Grain legumes, Oilseeds, Hill crops, Sugarcane presented the technical research outputs of the concerned commodity of last years. Other various papers on the winter crops research were also presented in two parallel sessions followed by group discussion and recommendation.

Major recommendation

Wheat

- For timely sowing under Irrigated condition of terai wheat variety NL1073 and BL3623 are recommended for better yield. In CVT, 3 more genotypes; BL4009, BL4350 and NL1094 were identified as promising lines.
- For late sown irrigated condition of terai; BL 3623 and NL 1140 was found to be promising lines.
- For eastern terai region genotypes BL3542, BL3978, BL3594 and NL1140 were identified superior.
- In terai region 15th November was identified as optimum time of sowing and BL3623, BL3629 and BL3978 were high yielding in that date of planting.
- Under heat stress environments; BL3978 (heat escaping due to earliness), found stable over year and location, NL1140 was identified as heat tolerant.
- For mid and high hills NL064 has been proposed for release; For hill and high hills BL4061, NL1153, NL1154 , NL1156 and NL1159 were identified as promising.
- NL1117, NL1120, BL4061 and NL1118 were identified promising in western hills under Lumle condition.For mid and high hills WK1481 was identified as pipeline variety.
- Under irrigated condition of mid hills, Munal#, Becard#1, NL1153 and NL1156 were found superior in Khumaltar condition.
- Under rainfed condition of mid hills WK2408, WK2409, WK2180, and WK2118 were observed promising.
- For high hill condition, WK1712, WK1803 and WK 1792 were found promising.

Durum Wheat

- DWK26, DWK28 and DWK30 were identified as pipeline varieties for terai region of mid and far western area of Nepal.

Hill Crops

Barley (For mountain)

- Coll#112-14 was obtained highest yielding and is proposed for the release with the name of MUKTINATH
- NB-1003-37/903, LG-51 and NB-1003-37/1034 were identified as promising

In FFT hill set,

- **Acc#1545** and **Acc#1574** were promoted as promising genotypes.
- In Dailekh condition, B86157-1-1-5-0-0K and NB-1003-37/1214 were promising lines.

Buckwheat

- In farmers' field trial, genotypes IR-13 and GF-5289 were found superior among the sweet buckwheat.
- Under Dailekh condition, Acc#493, CBBP-01 and PL-15 were found promising while for the bitter buckwheat ACC#2223-1 and ACC#2227-1 were found superior. Similarly, in farmers' field trial, genotypes Acc# 2201-2, Khumal- 3 , and FT-25-2-3 were found superior.

Grain Legumes

- In mid- western river basin areas ILL 3490, HUL-57, Black Masuro, RL-4 and PL-4 were identified as promising.
- Lentil genotypes IL-1, RL-4 and LG-12 were found promising in Jumla.
- For river basin of Far western hills (Doti area) ICCX 840508-31 and ICCX 840508-40 were found promising in Chickpea.

Oilseed Crops

- For Rapeseed crop, ICT 2001-35, Acc# 9109 and Acc# 9118 recommended as pipeline varieties.
- For Mustard, ICJ9704 (Proposed for release), Pusa Jagannath and Divya recommended as pipeline genotypes.

Sugarcane

- CoSe-98231 and UP-9530 suitable for upland rainfed condition(about to propose)
- CoSe-98231 and CoSe-97232 identified as early maturing and promising lines

Plant Pathology

- Foliar blight and Leaf rust are increasing in mid hills due to climate change and Powdery Mildew is also increasing in hills. Therefore need of regular and continued survey and surveillance program across the country for diseases of crop plants especially rusts and *Barberis* spp.
- NL 1140, NL1164, BL4012, BL3264 and BL3594 are promising wheat genotypes with high yield and tolerant to leaf rust disease in the eastern Terai region of Nepal.
- Wheat genotypes NL1073, NL1064 and NL1055 are resistant to leaf rust and moderately resistance to foliar blight in eastern tarai region.
- 56 Foliar blight tolerant wheat genotypes have been selected from multi-location testing in NWDSN which could be used as a donor.
- Uttara, ICT 2003-4, BL 2, ICT 2001-12, MSYL, ICT 2006-6, and Goldee tori were tolerant to Alternaria leaf blight in rapeseed.
- Mustard genotypes :Pusa Jagannath, ICJ 9704, RH 30, Rajat, ICJ 01-62, ICJ96174 and Bio 902 were tolerant to Alternaria leaf blight
- *Trichoderma spp.* showed antagonistic effect against *Bipolaris sorokiniana* under *in-vitro* condition. It needs further confirmation by carrying further research.

- Stemphylium blight of lentil : effectively managed by mancozeb and krilaxyl @2 gm/liter of water (3 spray at 10-15 days interval).
- *Bojho* and Timur *(Xanthoxylum armatum)*@ 8% concentration (3 spray at 10-15 days intervals) were effective to manage Stemphylium blight of lentil under both laboratory and field condition.

Agronomy

- Higher yield of wheat achieved from conventional tillage with the application of mulching by rice straw @ 4 t ha^{-1}.
- Use of Conventional tillage + Pendimethalin (3litre/ ha) after 3 days of sowing controlled *Spergula arvensis* (Thagne Jhar/ Durga Dutta weed) in Wheat crop.
- In Chickpea, providing irrigation during vegetative stage was found highest yielding of crop.
- Mixed cropping of wheat with toria and chickpea found profitable for river basin area of western mid hill.

Soil

- Application of 150 kg nitrogen should be recommended for higher yield of wheat in terai region of Nepal.
- Application of 60 kg Potassium showed better wheat yield under rice-wheat system in mid hill condition of Nepal.
- BL3623 (3233 kg/ha) of wheat showed higher grain and straw yield at Parwanipur condition of central region.

Food technology : Malting yield

- Barley from Taplejung had highest malt content whereas, from Gorkha it showed lowest malt yield.
- The highest dietetic power was found in the barley (B206) was collected from Dang and lowest for the barley (NB7) collected from Mustang.

Environment

- November 6 was the best date for sowing of wheat in Kathmandu valley.

Entomology

- Bojho rhizome (*Acorus calamus* L.) powder @ 5gm/ kg seed was found effective to control weevil in wheat storage.

Socio-economics

The socio-economic research survey showed the increasing trend of leaving farming occupation and shifting to other sources of income. Hence it is suggested to change or amend in agriculture policy to attract our youth and other members in farming profession

Eleventh National Outreach Workshop Organized

Outreach Research Division of Nepal Agricultural Research Council (NARC) organized Eleventh National Outreach Research Workshop at Lumle ,Kaski on June 10, 2014 (27 Jestha 2071).

In every two years, National Outreach Research Workshop used to be organized and research findings of two years at outreach sites were presented. Eighty research papers were presented during the entire workshop on cereals, vegetables, fruits, livestock and other cross-cutting areas. Similarly, one hundred and fifty participants from NARC, Department of Agriculture Development, Department of Livestock Services, and other national and international agencies participated in the workshop. Twenty six varieties of different cereal crops tested at farmer's field observed superior and preferred by local farmers, informed during presentation of their research output by researchers.

The workshop was inaugurated by Executive Director of NARC Dr. Dil Bahadur Gurung. Dr. Gurung said the outreach research outputs and successful technologies of the workshop should reach at farmer's field and technologies should be processed in such a way that farmers could adopt easily. Deputy Director-General of Department of Agriculture Development Mr. Tej Bahadur Subedi said, we have done excellent job in bringing technologies for poor farmers but still needs to do a lot in comparison to neighboring country particularly in the field of farm mechanization. Regional Agriculture Research Director Dr. Ramchandra Adhikary, who was chairing the session highlighted the importance of outreach research in generating agriculture technology. The chief of Outreach Research Division Dr. Deepak Bhandari said technologies tested at farmer's field with local farmers provide hands on experience judge them to accept the better technology for adoption. The outreach site should be promoted so that the verification of research technology could be conducted at farmer's field in a large scale. Mid-western Regional Director of Livestock services Dr. Bansi Sharma also spoke on the occasion.

Major technologies recommended in outreach workshop

1. Metarhium application for management of white grubs in vegetables crops @ 40 kg per hectare is recommended.
2. Potato clones CIP 393280.64 is recommended for cultivation in central terai region. It is moderately tolerant to late blight, high yielding and has good keeping quality.
4. Potato clone LBR-40 is recommended for western mid hill in winter season production due to high yield and resistant to late blight.
5. Community based seed potato production program should be strengthened for quality seed potato production.
6. Turmeric genotype CI 9801 (proposed as Kapurkot Haledo-1 for release) is recommended for cultivation in mid hills of Nepal.
7. Mid April to May is recommended as optimum planting time for turmeric in lower altitudes (200 - 500 masl).
8. Ginger cultivar ZI 8502 is proposed for release in ginger variety.
9. Acid lime genotypes NCRP-49 and NCRP-55 are in the process of variety releasing as a superior varieties for cultivation in the terai region of Nepal for offseason production (Asar-Bhadra).
10. Poshilo Makai 1 + cauliflower intercropping combination is recommended for Eastern upper mid hills (1500- 1800 masl).
11. Poshilo Makai 1 + Tomato intercropping combination is recommended for Eastern lower mid hills (800- 1200 masl).

Training, Workshop/Seminar, Study and Tours

April- June 2014

SN	Name	Position	Office	Subject	Duration	Country
			April			
1.	Ram Baran Yadav	S-3	NRRP, Hardinath	13 th CURE Review and Planning and Steering Committee Meeting	8-10 April, 2014	Vietnam
2.	Dr. Hira Kaji Manandhar	S-4	Director, Planning and Coordination	13 th CURE Review and Planning and Steering Committee Meeting	8-10 April, 2014	Vietnam
3.	Damodar Neupane	S-4	SARP, Khumaltar Lalitpur	Advances in Poultry Nutrition and Feed Technology	6-15 April, 2014	India
4.	Hari Krishna Upreti	S-4	Agri- Botany Division, Khumaltar	Approaches to breed climate resilient rice varieties for future	9-23April, 2014	India
5.	Subarna Sharma	T-6	RARS, Nepalgunj, Khajura	Approaches to breed climate resilient rice varieties for future	9-23April, 2014	India
6.	Dr. Bhoj Raj Joshi	S-5	Director, NASRI,Khumaltar	NEP 5002: Improving animal productivity and control of transboundary animal disease using nuclear and molecular technique	21 April-02 May, 2014	Malaysia
7.	Dr. Bindeshor Pd. Sah	S-5	Bio-Technology Division, Khumaltar	Regional Workshop on Application of Ion Beam Radiation Technology in Plant mutation Breeding	14-18 April, 2014	Korea
8.	Homan Regmi	S-1	Bio-Technology Division, Khumaltar	Regional Workshop on Application of Ion Beam Radiation Technology in Plant mutation Breeding	14-18 April, 2014	Korea
9.	Kiran Baral	S-1	Hill Crop Research Program, Dolakha, Kavre	Genotyping and Association mapping of multiple traits in Barley (H.vulgare L.) and selection of Barley germplasm	23-26 April, 2014	Morocco
10.	Y.P. Giri	S-5	Director, Crop & Horticulture	Hybrid Rice Planting and Extension for Nepal	10-23 April, 2014	China
11.	Dr. K.P. Paudel	S-5	Director, NASRI,Khumaltar	Hybrid Rice Planting and Extension for Nepal	10-23 April, 2014	China
12.	Dr. Y.N. Ghimire	S-4	Planning Division	Hybrid Rice Planting and Extension for Nepal	10-23 April, 2014	China
13.	Dr. S.P. Khatiwada	S-4	Agri- Botany Division, Khumaltar	Hybrid Rice Planting and Extension for Nepal	10-23 April, 2014	China
14.	S. Shrestha	S-4	Agri- Engeneering Division, Khumaltar	Hybrid Rice Planting and Extension for Nepal	10-23 April, 2014	China
15.	Netrahari Ghimire	S-3	ARS, Bijaynagar Jumla	Food Legumes Breeding Training	21-30 April, 2014	Lebanan
16.	Santosh Thripathi	S-1	Agronomy Division, Khumaltar	Food Legumes Breeding Training	21-30 April, 2014	Lebanan
17.	Subarna Sharma	T-6	RARS, Nepalgunj, Khajura	2nd International Wheat Stripe Rust Symposium	28April-1 May, 2014	Turkey
			May			
1.	Yagya Pd. K.C.	T-6	RARS, Nepalgunj, Khajura	Exchange visit : the Agricultural Learning Exchange for Asia Regional Networking (AgLEARN)	5-9 May, 2014	Thailand
2.	Dr. Jwala Bajracharya	S-5	Seed Science Division, Khumaltar	Seed Summit	14-15 May, 2014	India
3.	Dr. Ram Devi Timila	S-4	Plant pathology Division, Khumaltar	Invasive species identification and management in the tropic	12-15 May, 2014	Senegal
4.	Ram Bahadur K.C.	S-4	ARS, Malepatan, Pokhara	Invasive species identification and management in the tropic	12-15 May, 2014	Senegal
5.	Ram Bahadur Khadka	S-1	RARS, Nepalgunj, Khajura	Exposure visit program on production and use of biocontrol agents and pheromone traps	18-24 May, 2014	India
6.	Netra Pd. Osti	S-4	Animal Nutrition Division, Khumaltar	Dairy Asia: Towards sustainability	21-24 May, 2014	Thailand
7.	Subarna Sharma	T-6	RARS, Nepalgunj, Khajura	Review workshop of STRASA Phase 2 launching of STRASA phase 3 on	20-23 may, 2014	India
8.	Pitambar Thakur	S-4	ORP, Nawalpur Sarlahi	Export Consultation Meeting	28-29 May, 2014	Bhutan
9.	Dr. Devendra Gauchan	S-4	SARPOD, Khumaltar	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
10.	Bedananda Chaudhary	S-4	RARS, Tarahara, Sunsari	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
11.	Surya Narayan Sah	S-4	NRRP, Hardinath	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India

SN	Name	Position	Office	Subject	Duration	Country
12.	Ram Baran Yadav	S-3	NRRP, Hardinath	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
13.	Purushotam Jha	S-3	NRRP, Hardinath	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
14.	Rudra Bhattrai	S-1	RARS, Tarahara, Sunsari	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
15.	Sarita Manandhar	S-1	RARS, Tarahara, Sunsari	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
16.	Bibek Sapkota	S-1	Crop & Horticulture Research, Singhdarbarplaza	Stress tolerant rice for Africa and south Asia	20-23 may, 2014	India
17.	Ghanashyam Bhandary	S-1	NMRP, Rampur	Statistics and Genomic Analysis	12-17 May, 2014	India
18.	Mitali Kumari Sah	S-1	RARS, Parwanipur	Statistical training " Basic Experimental Designs and Data Analysis using STAR	5-9 May, 2014	India
19.	Dr. Bal Krishna Joshi	S-3	National Agriculture Genetic Resource Center	2nd AFACI International Training Workshop on Germplasm Management System	12-21 May, 2014	Korea
20.	Deepa Singh	S-3	National Agriculture Genetic Resource Center	2nd AFACI International Training Workshop on Germplasm Management System	12-21 May, 2014	Korea
21.	Pragun Sundhar Saiju	T-6	RARS, Lumle	Cultivation workshop and successive training on agriculture 2014	31 May-Aug,2014	Thailand
			June			
1.	Dr. Ananada K. Gautam	S-4	Agri - Environment Division, Khumaltar	production and service of agro meteorological information for the adaptation to climate change	3-7 June, 2014	Mongolia
2.	Dr. Devendra Gauchan	S-4	SARPOD, Khumaltar	International workshop on mechanization & agricultural transformation	18-19 June, 2014	China
3.	Bibek Sapkota	S-1	Crop & Horticulture Research, Singhdarbarplaza	Food System Innovation Symposium	9-13 June, 2014	Australia
4.	Surendra Pd. Shreevastav	S-4	Soil Science Division, Khumaltar	Agricultural Land Management for improving soil fertility and irrigation efficiency	8-13 June, 2014	Korea
5.	Samaya Gaire	S-1	Monitoring & Evaluation Division	Promoting partnerships to develop local agriculture and the industry	16-20 June, 2014	SriLanka
6.	Dhana Bahadur Gharti	S-4	Grain Legume Research Program, Rampur	3rd Regional Coordination meeting for south Asia and China regional program	16-21 June, 2014	China
7.	Ram Pd. Ghimire	S-3	ARS, Bandipur	3rd Regional Coordination meeting for south Asia and China regional program	16-21 June, 2014	China
8.	Dr. Ram Pukar Thakur	S-4	Animal Health Research Division, Khumaltar	Improving animal productivity and control of transboundary animal disease using nuclear and molecular technique	9-27 June,2014	Republic Korea
9.	Dr. Madav Pd. Acharya	S-3	Animal Health Research Division, Khumaltar	Improving animal productivity and control of transboundary animal disease using nuclear and molecular technique	9-27 June,2014	Republic Korea
10.	Dr. Keshav Babu Koirala	S-4	NMRP, Rampur	HTMA Project Monitoring	14-19 June, 2014	Bangladesh
11.	Lumanidi Pandey	S-3	S&G Research Program, Guthichaur, Jumla	Himali Chetrako Pashu Bastuko mulya sirankhala samandhi study visit	28 June-2 July, 2014	Bhutan
12.	Dr. Shambhu Pd.Khatiwada	S-4	Agri-Botany Division, Khumaltar	Identification of rice varieties tolerant to abiotic stress	10-11 June, 2014	Bangladesh
13.	Dr. Binod Luitel	S-3	National Potato Research Program, Khumaltar	Improving food security and nutrition of rural people in Nepal and Bhutan through collaborative breeding for yield stability and micronutrient density	25-26 June, 2014	Bhutan
14.	Duryadhan Chaudhary	T-6	National Potato Research Program, Khumaltar	Improving food security and nutrition of rural people in Nepal and Bhutan through collaborative breeding for yield stability and micronutrient density	25-26 June, 2014	Bhutan

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development. Mr. Ram Ghimire from Agriculture Research Station (Goat), Bandipur, Tanahun was awarded for best research administrator at the function.

More than 500 personnel attended the function including former Executive Directors of NARC; retired Scientists; Senior Officials from Ministry of Agriculture Development; Chairman of Service Commission, Agriculture and Forestry University; Farmers; Entrepreneurs; Journalists and others.

On the occasion, chief guest Mr. Parajuli said that NARC has done a lot of research to increase crop productivity. He further added, sustainable agriculture will be replaced by capitalist age and it will enter in commercialized farming age. He further stated that NARC will gain its reputation among the Nepalese farmers and stressed in the development of farmers friendly technologies. Executive Director of NARC Dr. Dil Bahadur Gurung gave welcome speech and highlighted the achievements of NARC during last one year.

The function was chaired by the officiating Secretary Mr. Jaya Mukunda Khanal, Ministry of Agriculture Development. On the occasion, NARC organized 3 days Agri. Research and Technology Fair. More than 30 stalls were installed and displayed different generated technologies from NARC. The exhibition was inaugurated by Hounourable Minister Mr. Hari Prasad Parajuli.

Bhujel Joined as CPDD Chief

Mr. Ram Bahadur Bhujel, Senior Scientist (S-4), Agri. extension, Agri. Economics and marketing has joined as Chief of Communication, Publication & Documentation Division (CPDD), Khumaltar, Lalitpur on May 15, 2014 (01 Jestha 2071). He was transfered from the post of Chief of Outreach Research Division in Khumaltar, Lalitpur. Mr. Bhujel possesses long experience of agriculture research and development. He has been working in different capacities under Department of Agriculture & NARC since 2030-12-13 B.S.

Gautam and Shrestha obtained Ph.D. Degree

Mr. Ishwori Prasad Gautam, Senior Scientist (S-4) in Nepal Agricultural Research Council (NARC) has obtained Ph.D. degree in Horticulture from Tribhuwan University (TU), Institute of Agriculture and Animal Sciences, Rampur, Chitwan. Dr. Gautam is the first Ph.D. scholar of Nepal Agricultural Research Council (NARC) from Tribhuwan University (TU), Institute of Agriculture and Animal Sciences, Rampur, Chitwan.

His research work in his Ph.D. course was on **"A study on yield, storability and processing quality of potato (*Solanum tuberosum* L.)"**.

Dr. Gautam obtained his B.Sc. Ag. from Institute of Agriculture and Animal Sciences (IAAS), Rampur, Chitwan. He had M.Sc. from Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, India in Horticulture.

Similarly, Mr. Ram Lal Shrestha, Scientist (S-2) in Nepal Agricultural Research Council (NARC) has obtained Ph.D. degree in Agriculture (Horticulture) from Tribhuwan University (TU), Institute of Agriculture and Animal Sciences, Rampur, Chitwan.

His research work in his Ph.D. course was on the **"Assessment of Phenotypic and genetic diversity of acid lime (*Citrus aurantifolia swingle*) Landraces in Eastern Nepal"**.

Dr. Shrestha obtained his B.Sc. Ag. from Institute of Agriculture and Animal Sciences (IAAS), Rampur, Chitwan. He had M.Sc. from University of the Philippines Los Banos , Laguna, Philippines (UPLB) in Horticulture.

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