

WORKSHOPS, SEMINARS, SUMMER
INSTITUTES, FARMERS' DAYS, ETC.

13

Dehradun

- The Himalaya Day was celebrated at ICAR-IISWC, Dehradun on September 9, 2015. The celebration was attended by about 300 students and teachers from Central School/KV-ONGC, KV-IMA, KV-Beerpur, Girls Inter College (Garhi Cantt.) and Dolphin Institute of Natural Sciences (Dehradun), besides scientists and staffs of IISWC, Dehradun. Daylong celebration began with reading-out introductory remarks of Dr. P.K. Mishra, Director, ICAR-IISWC on Himalayas and its eco-system services. An exhibition on the theme of technological necessities to improve agriculture production was organized for benefit of students and participants. The students and participants were exposed to various technological informations through an interactive seminar on importance of Himalayas, environment and technological needs (Photo 13.1). As a focussed activity, the students, teachers and participants solemnly took oath to protect Himalayas with themes of 'Conserve Soil and Water', 'Save Himalayas' 'Save Life'.
- ICAR-IISWC, Dehradun exhibited its natural resource conservation technologies in a *Kissan Mela* organized by ICAR-VPKAS, Almora on April 8, 2015. The Chief Guest, Shri Manoj Tewari, MLA, Almora; Dr. P.P. Dhyani, Director, GB Pant Institute of Himalayan Ecology, Almora; Dr. A. Patnayak, Director, VPKAS; and Dr. J.C. Bhatt, Ex-Director, VPKAS spoke on various achievements of ICAR, VPKAS and the other research Institutes located in the region. The IISWC Stall attracted groups of farmers and participants. Useful publications and technology details generated by IISWC were distributed among farmers and participants. Over 300 farmers and participants were benefited from the IISWC Stall, which exhibited specifically prepared exhibits and technological details.
- दिनांक 22.06.2015 को उत्तरकाशी जनपद में चिन्याडीसौड़ स्थित कृषि विज्ञान केन्द्र पर आयोजित किसान मेले एवं कृषक संगोष्ठी में भारतीय मृदा एवं जल संरक्षण संस्थान देहरादून संस्थान द्वारा विकसित तकनीकों का प्रदर्शन किया गया जिसका आयोजन विवेकानन्द पर्वतीय अनुसंधान संस्थान अल्मोड़ा, उत्तराखण्ड के अधीनस्थ कार्यरत कृषि विज्ञान केन्द्र चिन्याडीसौड़, उत्तरकाशी द्वारा किया गया। कार्यक्रम का उद्घाटन टिहरी गढ़वाल संसदीय क्षेत्र की सांसद माननीय श्रीमती विजय लक्ष्मी शाह द्वारा किया गया। किसान मेले में प्रदेश में कार्यरत लगभग 15 संस्थाओं ने भाग लिया। आयोजित किये गये इस मेले में भारतीय मृदा एवं जल संरक्षण संस्थान, देहरादून द्वारा भी अपनी प्रदर्शनी लगाई तथा अपनी स्टाल पर संस्थान द्वारा विकसित की गई तकनीकों को पोस्टर्स के माध्यम से प्रदर्शित किया गया तथा मेले में आये कृषकों के बीच प्रचार-प्रसार सामग्री का वितरण किया। मेले में आये समस्त कृषकों द्वारा संस्थान की स्टाल का भ्रमण कर मृदा एवं जल संरक्षण तथा बंजर भूमि उपयोग से संबंधित जानकारी में रुचि ली गई। कार्यक्रम के उद्घाटन के समय क्षेत्रीय सांसद महोदया द्वारा भी स्टाल का भ्रमण कर संस्थान द्वारा किये जा रहे प्रयासों की सराहना की तथा संस्थान द्वारा उनके संसदीय क्षेत्र में आयोजित किये गये कृषि मेले में भाग लेने हेतु आभार व्यक्त किया।
- भाकृअनुप-भारतीय मृदा एवं जल संरक्षण संस्थान, देहरादून में दिनांक 14-19 सितम्बर, 2015 तक हिंदी सप्ताह का आयोजन सफलतापूर्वक किया गया। कार्यक्रम का संचालन डॉ० (श्रीमती) संगीता एन० शर्मा, मुख्य तकनीकी अधिकारी एवं प्रभारी (राजभाषा) ने किया। इस दौरान संस्थान में हिंदी के प्रयोग को बढ़ावा देने के लिए शब्दावली, अनुवाद, निबन्ध एवं श्रुतलेख की प्रतियोगिताएं आयोजित की गयी थी, जिसमें वैज्ञानिकों, अधिकारियों एवं कर्मचारियों ने भाग लिया। समापन समारोह के अवसर पर मुख्य अतिथि श्री जी०पी० जोशी, प्रशिक्षण अधिकारी, केन्द्रीय अकादमी राज्य वन सेवा, देहरादून थे। इस अवसर पर किसानों के लिए कृषि संबंधी एक कैलेंडर का विमोचन किया गया। इस अवसर पर संस्थान के प्रभारी निदेशक डॉ० एन०के० शर्मा, श्री अनिल कुमार सिंह, मुख्य प्रशासनिक अधिकारी एवं हिंदी अधिकारी ने संस्थान में हिंदी के प्रयोग को बढ़ावा देने के लिए अपने विचार रखे। मुख्य अतिथि ने राजभाषा के नियमों से अवगत कराते हुए एक पावर प्वाइंट प्रस्तुति दी। इस अवसर पर संस्थान की दो महिला कवियत्रियों श्रीमती मुन्नी देवी मंगगाई एवं श्रीमती सरोज सेमवाल ने स्वरचित कविताओं का पाठ



Photo 13.1: Students of various schools were sensitized to protect soil and water resources during Himalaya Day celebration

फोटो 13.1: विभिन्न स्कूलों के छात्रों को हिमालय दिवस समारोह में मृदा और जल संसाधनों की रक्षा के लिए अवगत कराते हुए

किया। कार्यक्रम के समापन पर सभी प्रतिभागियों को पुरस्कार प्रदान किए गए (फोटो 13.2)। इस अवसर पर संस्थान के सभी प्रभागाध्यक्ष, अधिकारी एवं कर्मचारी उपस्थित थे।

- United Nations Food and Agriculture Organization declared 2015 as International Year of Soils with the slogan 'Healthy Soil for Healthy Life' to sensitize all section of society. World Soil Day and International Year of Soils were celebrated on December 5, 2015 by ICAR-IISWC at Dehradun. Importance about assessment and management of soil health and of soil conservation in managing soil health was highlighted to the participants consisting of farmers and students by the invited dignitaries and scientists of ICAR-IISWC. On this occasion Soil Health Cards were distributed to farmers at Dehradun. Winners of debate competition were awarded by the Chief Guest, Shri Rajkumar, MLA, Rajpur (Photo 13.3).
- The World Fisheries Day-2015 was organised by ICAR-IISWC, Dehradun on November 21, 2015 at its Research Farm, Selakui. The Chief Guest, Dr. Rajendra Dobhal, Director General, Uttarakhand State Council for Science and Technology (UCOST), Dehradun expressed the need to promote fisheries sector drawing the reference of reducing fish availability, widening fish demand-supply gap, and growing problems of fishermen. Sharing his experiences on fish resources, various research projects, he offered financial support to the interested scientists, farmers and entrepreneurs to carry out innovative research and begin trout farming in the State. About 250 graduate students, faculty members, scientists and technical professionals from research organisations including FRI, UCOST, Central Silk Board, IISWC and State Fisheries Department, Dehradun participated in the event and shared their wisdom and proposals. IISWC and State Fisheries Department had established stalls for display. Dr Lakhan Singh, Head, HRD&SS, IISWC welcomed the Chief Guest and the participants of the Day. The Day was marked with exhibition, demonstration of laboratory/wet lab facilities, fishing and technical interaction on analysis of aquatic ecosystems, fish farming inputs etc. Few innovative fish farmers of the region also attended the event. The Chief Guest handed over fish seed packets to the progressive fish farmers (Photo 13.4). At the end dignitaries and participants released fish seedling in a farm pond to mark the need of increasing fish farming and conservation of fish resources.
- The ICAR-IISWC celebrated *Jai Kisan Jai Vigyan*



Photo 13.2: I/c Director and CAO giving prize and certificate to the participants during Hindi Saptah closing ceremony

फोटो 13.2: प्रभारी निदेशक एवं मुख्य प्रशासनिक अधिकारी हिंदी सप्ताह समापन समारोह में प्रतिभागियों को पुरस्कार और प्रमाण पत्र देते हुए



Photo 13.3: Chief Guest giving the prizes to the participating students

फोटो 13.3: मुख्य अतिथि प्रतिभागी छात्रों को पुरस्कार और प्रमाण पत्र प्रदान करते हुए



Photo 13.4: Chief Guest distributing the fish seeds to progressive fish farmers on the occasion of World Fisheries Day

फोटो 13.4: मुख्य अतिथि विश्व मत्स्य दिवस के अवसर पर प्रगतिशील मछली किसानों को मत्स्य बीज वितरित करते हुए

week during December 23-29, 2015 at Dehradun. An interface meeting among different stakeholders including scientists, field level extension officers, soil conservation officers, forest officers representing eight states (West Bengal, Madhya Pradesh, Punjab, Uttarakhand, Nagaland, Maharashtra, Chhattisgarh and Uttar Pradesh) of the country was organised on December 23, 2015. Dr. P.K. Mishra, Director on this occasion advised that science should be such that is understood by farmers. There is need of match between farmers' needs and science developed. Er. K.P. Tripathi, former Principal Scientist and Secretary, Agri-Innovation Foundation, Lucknow focussed on need of agriculture knowledge management, treatment of messages, making technologies in simple and understandable way. He shared few examples of traditional knowledge and ancient history of water management for drinking and irrigation purpose. A one-day farmers training on S&WC was organized on December 28, 2015 for 35 farmers. During training, a group of 60 students from Baba Farid Institute of Technology, Dehradun joined and learnt about the S&WC concept.

- Dr. D.R. Sena, Principal Scientist, ICAR-IISWC, Dehradun organized a seven-days workshop cum training on 'Capacity Building in SWAT Modelling for NICRA Project' during November 26 to December 2, 2015 in which 11 scientists and senior research fellows participated from different research centers of IISWC. The training was sponsored by National Innovations on Climate Resilient Agriculture (NICRA) project, ICAR. Dr. P.K. Mishra, Director as Chairman elaborated about background of NICRA project initiation and its importance in national context.

Chandigarh

- In order to celebrate 'World Soil Day' and 'International year of Soils 2015', the ICAR-IISWC RC, Chandigarh, coordinated a stall in the exhibition at Plaza Place, Barwala organized by Department of Agriculture, Panchkula. Importance of soil health card in providing the conditions of available nutrients in soil which indicates the fertility status was discussed with the farmers. Need for use of vermicompost, organic amendments and bio pesticides for sustainable soil health management were also discussed. In the event more than 500 farmers from different villages of Haryana participated. About 250 soil health cards were distributed to the local farmers by state agriculture departments. Quiz content, drama by local school students were organized to generate mass awareness about better soil health management.
- A three days workshop on 'Planning Pilot Studies for Revalidation of Climate Resilient Technologies' under Task Force on Himalayan Agriculture (Lower and Middle Himalaya), National Mission for Sustaining the Himalayan Ecosystem, funded by Department of Science and Technology, Government of India, was organized at ICAR-IISWC RC, Chandigarh during December 8-10, 2015. Workshop was represented by the representatives from ICAR-IISWC, Dehradun, ICAR-VIPKAS, Almora, ICAR-CITH, Research Centre Mukteswar, ICAR-IVRI, Research Centre, Mukteswar and ICAR-IISWC, Research Centre, Chandigarh. In the workshop the detailed action plan for pilot studies were discussed and finalized. Performa related to village profile and subject specific information were developed for collection of baseline data.

Udhagamandalam

- ICAR-IISWC, Research Centre, Udhagamandalam observed Hindi Chetna Mass during September 14 to October 13, 2015 inaugurated by Dr. O.P.S. Khola, Head of Centre. Shri V.A. Padmanabha, Officer-In-Charge (Official Language) welcomed all the officers and staff members and appraised the Hindi activities of the Centre and targets fixed during the year. Dr. Khola showed satisfaction on the activities related to Hindi implementation at the Centre in his inaugural address and expressed that more efforts are yet to be done to achieve the set targets. Dr. K. Kannan, Sr. Scientist of the Centre proposed vote of thanks on the occasion.
- Regional Centre, Udhagamandalam celebrated 61st Foundation Day on October 20, 2015 in which Sh. C. Bathrasamy, District Forest Officer, The Nilgiris was the chief guest for the inaugural function (Photo 13.5). In his inaugural address he acknowledged the valuable contribution of IISWC Regional Centre on SWC&WM and forest hydrology research for southern region and congratulated all the scientists and employees of the Centre on the occasion. Dr. O.P.S. Khola, Head narrated the history and research achievements of the centre. He also highlighted the policy recommendation on banning of Eucalyptus tree plantation in Nilgiris as the research output of the hydrological studies conducted over the period of 16 years which was implemented by the Government of Tamil

Nadu. During the occasion sports and cultural competitions were conducted for the staffs and their family members. Prizes have been distributed to all the winners of the competitions by the Head of the Centre. As a part of foundation day programme cleanliness drive was organised in the afternoon and all the staffs of the centre took active participation in cleaning the office premises and surroundings.

- Research Centre celebrated World Soil Day on December 5, 2015 at Kenthorai village, The Nilgiris (Tamil Nadu) in which Mr. N.K. Perumal, Founder Chairman, RDO Trust was the Chief Guest. Dr. S. Manivannan, Pr. Scientist elaborated the back ground of world soil day. Dr. O.P.S. Khola, Head of the Centre presided over the function and Mr. Nanjan, Mr. Boajan, Mr. Chandran and Mr. Ramaiya those who are progressive farmers of Kenthorai and Madithorai villages highlighted their S&WC problems. Scientists from CPRS, Ooty and IARI, Regional Centre, Wellington also participated in this event. About 120 farmers from Kenthorai, Madithorai, Thummanahatti and Moradakombai villages participated.
- IISWC RC, Udhagamandalam, organized capacity building programme on 'Field Engineering Training on Forest watershed management' for the Assistant Conservator of Forests during February 1-12, 2016 at the Centre with the aim to improve the knowledge and skills in planning and implementing watershed development projects in forest areas. Shri Srinivas R. Reddy, IFS Project Director, HADP and Field Director, Mudumalai, Wild Life Sanctuary, The Nilgiris inaugurated the training. Thirty four officer trainees of State Forest Service from Rajasthan and Kerala those who are undergoing training at Central Academy for State Forest Service, Coimbatore participated.
- IISWC RC, Udhagamandalam, organized short course on "Soil and water Conservation technology transfer and withdrawal strategy in watershed management for Assistant / Junior Engineers during February 16-18, 2016 at the Centre inaugurated by Dr. N.K. Sharma, Head (SS&A Division), IISWC, Dehradun. The programme aims at training the Assistant / Junior Engineers of Agricultural Engineering Department, Government of Tamil Nadu to improve their knowledge and skills in technological options for watershed management, methods of technology transfer, withdrawal strategy and post project management.
- Sixth Annual Meet of 'Farm Innovators Day' was organized by the Research Centre at Kadasholai village, a tribal region of the Nilgiri district on February 27, 2016 inaugurated by Mr. C. Badrasami, District Forest Officer, The Nilgiris as the chief guest (Photo 13.6). Mr. N. Mani, Joint Director of Horticulture, the Nilgiri district, Dr. P. Subramaniam, Director, Tribal Research Centre, Udhagamandalam, Mr. M. Alwas, Secretary, Nilagiri Adivasi Welfare Association, Kotagiri participated as special guests. Dr. O.P.S. Khola, Head of the Centre presided over the function. About 120 tribal farmers comprising Irulas, Kurumbas and Kothas community from Kurukundha, Sedikkal, Kadasholai, Pamparai, Kilkattabettu and Selarai villages, scientists of the Research Centre; Central Potato Research Station Muthorai; Indian



Photo 13.5: Shri C. Bathrasamy, District Forest Officer, The Nilgiris inaugurating the 61st Foundation Day function of Research Centre

फोटो 13.5: श्री सी० बथरासामी, जिला वन अधिकारी, नीलगिरी अनुसंधान केंद्र का 61वां स्थापना दिवस समारोह का उद्घाटन करते हुए



Photo 13.6: Farm Innovators Day celebration moments at Research Centre, Udhagamandalam

फोटो 13.6: अनुसंधान केंद्र, उद्गमडलम् पर खेत नवप्रवर्तक दिवस समारोह के क्षण

Agricultural Research Institute, Welington, United Planters Association of South India (UPASI)–KVK; Tea Board and other line department officials participated.

- Institute Research Centre, Udhagamandalam participated in ‘National Science Day’ celebration organized at Radio Astronomy Centre, Tata Institute of Fundamental Research, Udhagamandalam on February 28, 2016 inaugurated by Dr P. Shankar, IAS, District Collector, the Nilgiris. Overall, 967 visitors from other scientific and research organisations including 45 educational institutions in and around Udhagamandalam had visited institute exhibits and gained knowledge about S&WC technologies and environmental issues.
- ICAR-IISWC Research Centre, Udhagamandalam participated in the AGRI INTEX 2015, India’s Prime Agricultural Trade Fair organized at CODISSIA Trade Fair Complex, Coimbatore, Tamil Nadu during July 17-20, 2015 by Coimbatore District Small Scale Industries Association. Dr. S. Manivannan, Principal Scientist and Dr. V. Kasthuri Thilagam, Scientist displayed activities and mandate of the institute, various soil and water conservation technologies, agronomical measures for controlling soil erosion, causes and remedial measures for landslides in Nilgiris including application of jute geo-textiles for slope stabilization. Dr. K. Alagu Sundaram, Deputy Director General (Engineering), ICAR inaugurated the Agri Intex 2015 on July 17, 2015. About 2500 farmers from 5 states namely Tamil Nadu, Kerala, Karnataka and Andhra Pradesh, Maharashtra and Puducherry Union Territory visited the stall. Overall, 2850 visitors including farmers, scientists, industrialists, extension functionaries and students visited the exhibits and gained knowledge about soil and water conservation technologies and environmental issues.

Agra

- The ICAR-IISWC Research Centre, Agra participated in Agriculture Exhibition 2015 at Piprakothi, Motihari, Bihar during August 20-21, 2015. More than 3000 farmers from East Champaran and neighbouring districts participated in the event. Over 90 ICAR institutes, Deem Universities, NRCs, National Bureaus, Directorates, Project Directorates, and SAUs participated. Farmers and other participants were explained by Dr. D.C. Meena, Scientist (Agril. Economics) the importance of soil and water conservation at an IISWC exhibition stall. Participants were also advised to adopt innovative technologies for sustainable agriculture production. Importance of forestry with agriculture and role of soil testing in diagnosing conditions of available nutrients in the soil was discussed. Shri Radha Mohan Singh, Hon’ble Minister of Agriculture and Farmers Welfare laid foundation stone of National Research Centre on Integrated Farming on August 21, 2015 at Piprakothi, Motihari district (Bihar). The Chief Guest, Dr. S. Ayyappan, Secretary, DARE and Director General, ICAR briefed about the mandate of the newly established Institute and Dr. A.K. Sikka, Deputy Director General (NRM), ICAR spoke on importance of this Institute in the region and the country as well. The Guests of Honour, Shri Pramod Kumar, MLA, Motihari; Shri Sachindra Prasad Singh, MLA, Kesaria; Dr. B.P. Bhatt, OSD of the Institute and Director of ICAR Research Complex for Eastern Region; and, Dr. Rameshwar Singh, Project Director, ICAR-DKMA were present on this occasion.
- केन्द्र पर दिनांक 14 सितम्बर 2015 को हिन्दी चेतना मास 2015 का उद्घाटन समारोह शुरू हुआ। समारोह की शुरुआत डॉ० एस०के० दुबे, केन्द्राध्यक्ष ने मां सरस्वती के चित्र पर माल्यार्पण के साथ की। मां सरस्वती की वंदना के साथ कार्यक्रम का शुभारंभ हुआ। डॉ० ए०के० सिंह प्रभारी अधिकारी (राजभाषा) ने केन्द्र पर हिन्दी में किये जा रहे कार्यों की विवेचना की, तथा डा. एस. अय्यप्पन, महानिदेशक, भा०कृ०अनु०प० एवं सचिव भारत सरकार द्वारा इस अवसर पर प्रेषित संदेश को सभा में पढ़कर सुनाया। श्री बी० प्रसाद, सचिव राजभाषा ने हिन्दी चेतना मास में आयोजित कार्यक्रमों के बारे में अवगत कराया। इस चेतना मास में केन्द्र के केन्द्राध्यक्ष ने सभी से अपने स्तर का कार्य शत-प्रतिशत हिन्दी में करने हेतु आग्रह किया तथा बताया कि गत वर्ष नराकास, आगरा द्वारा केन्द्र को वैज्ञानिक गतिविधियों में राजभाषा हिन्दी के अधिकाधिक प्रयोग हेतु द्वितीय स्थान प्रदान किया। इस अवसर पर राजभाषा अधिकारी ने हिन्दी के नियमों के विषय में बताया तथा यह भी आग्रह कि केन्द्र पर हिन्दी में प्राप्त पत्रों का जबाब शतप्रतिशत हिन्दी में भेजते हुए पत्र प्रेषण पंजिका में प्रथक रूप से अंकित करने हेतु आग्रह किया। उन्होंने इसी मास में हिन्दी कार्यशाला के आयोजन हेतु आवश्यक धनराशि स्वीकृत करवाने के लिए निर्देशित किया। अन्त में सचिव, राजभाषा ने सभी अधिकारियों एवं कर्मचारियों को हिन्दी में अधिकाधिक कार्य करने की शपथ दिलाते हुए कार्यशाला का समापन किया। दिनांक 28-09-2015 को संस्थान के आगरा केन्द्र पर हिन्दी कार्यशाला का आयोजन किया गया। कार्यक्रम के मुख्य अतिथि डा. संजय पचौरी, प्रभारी राजभाषा अधिकारी, एडीईआरडीई, आगरा थे। डा. एस.के. दुबे, केन्द्राध्यक्ष ने हिन्दी कार्यशाला में हिन्दी में कार्य करने हेतु सभी अधिकारियों एवं कर्मचारियों से आग्रह किया और कहा कि हिन्दी में कार्य करने से वैज्ञानिक तकनीकियों को आसानी से किसानों तथा आम आदमी को समझाया जा सकता है। इस अवसर पर मुख्य अतिथि, डॉ० संजय पचौरी ने केन्द्र कम्प्यूटरों में यूनिकोड पद्धति को स्थापित किया तथा कम्प्यूटर पर हिन्दी में कार्य करने के बारे में विस्तार से जानकारी प्रदान की तथा संबंधित कठिनाइयों का निवारण किया और कहा कि यूनिकोड में अंग्रेजी में

टाइप करने से सीधे हिन्दी में परिवर्तित हो जाता है। हिन्दी चेतना मास के समापन समारोह आज दिनांक 13 अक्टूबर 2015 को सम्पन्न हुआ। राजभाषा अधिकारी, डॉ० ए०के० सिंह ने मा० कृषि मन्त्री श्री राधा माहन सिंह जी के हिन्दी सन्देश को पढ़कर सुनाया तथा तदानुसार हिन्दी में कार्य करने हेतु आग्रह किया साथ ही हिन्दी चेतना मास के दौरान हुई गतिविधियों की सराहना की। इस अवसर पर डॉ० भदौरिया, डीन, ए०सी०ई० कॉलेज, एत्मादपुर ने भी केन्द्र पर हिन्दी में हो रहे वैज्ञानिक शोधों तथा विद्यार्थियों के प्रति रुझान की सराहना की तथा इस केन्द्र को उनके कॉलेज को विद्यार्थियों को बुलाए जाने पर केन्द्र का आधार व्यक्त किया तथा भविष्य में ऐसे कार्यक्रमों में सहभागिता बनाये रखने की कामना की। इस अवसर पर हिन्दी निबन्ध लेखन व वाद-विवाद प्रतियोगिता हेतु छात्र-छात्राओं को पुरस्कार भी प्रदान किए गये। अन्त में हिन्दी सचिव ने सभी को धन्यवाद ज्ञापित करते हुए हिन्दी चेतना मास का समापन किया।

- Centre celebrated the 'Swachta Abhiyan' with full enthusiasm and zeal to make India clean and observed 'Swachta Saptah' during August 7-13, 2015. All the staff members of the centre made their willing contribution. On the occasion, all the staff takes the pledge for cleanliness. To promote *swachta abhiyan* the students and visiting farmers were taught the need and benefits of cleanliness of ourselves and surroundings.
- Research Centre, Agra celebrated the International Yoga Diwas on June 21, 2015. Head of the Centre welcomed the Acharya Dr. R.P. Singh, Yoga Teacher affiliated with Patanjali Yogpeeth, Haridwar conducted a practice session on the occasion.
- Three day 'Krishi avum Gram Vikas' exhibition was organized during October 9-11, 2015 at Nagla Chandra Bhan in Din Dayal Dham Farah Mathura. The centre has been awarded II prize for its exhibition.
- One day *Kishan Ghosthi* was organized on September 8, 2015 at Garhi Udairaj, Agra.

Kota

- अनुसंधान केन्द्र, कोटा पर दिनांक 14 सितम्बर, 2015 को हिन्दी दिवस मनाकर हिन्दी चेतना मास का शुभारम्भ किया। कार्यक्रम की विधिवत शुरुआत केन्द्राध्यक्ष डॉ० आर०के० सिंह जी ने मां सरस्वती के सम्मुख दीप प्रज्वलित करके की एवं श्री कमलेश कुमार चौधरी ने मां सरस्वती की वन्दना प्रस्तुत की तथा सभी कर्मचारियों का स्वागत किया। केन्द्र के हिन्दी अधिकारी डॉ० बी०एल० मीना ने अनुसंधान केन्द्र पर पिछले एक वर्ष के दौरान हिन्दी के उपयोग के प्रयासों का ब्योरा प्रस्तुत किया एवं हिन्दी की वर्तमान स्थिति से अवगत कराया। डॉ० अशोक कुमार, प्रधान वैज्ञानिक ने संविधान में हिन्दी के विकास के लिये संवैधानिक व्यवस्था से परिचय कराया तथा हिन्दी के प्रसिद्धकवि भारतेन्दु हरिश्चन्द्र के हिन्दी के क्षेत्र में उल्लेखनीय योगदान के विषय में चर्चा की। इसी क्रम में डा कुलदीप कुमार, डॉ० एस० कला, श्री एन०के० मीणा, श्री विक्रम चौहान, श्री कमलेश चौधरी, श्री हरि ओम आर्य ने हिन्दी की दैनिक जीवन में उपयोगिता एवं हिन्दी के अधिकाधिक प्रयोग के लिये अपने सुझाव दिये। केन्द्राध्यक्ष ने माननीय कृषि मन्त्री, भारत सरकार के हिन्दी दिवस पर दिये गये संदेश को पढ़कर सुनाया। उन्होंने बताया कि हिन्दी भाषा का हमारी संस्कृति से गहरा नाता है इसलिये हिन्दी को बढ़ावा देकर हम अपनी संस्कृति को और अधिक समृद्ध बनाते हैं। उन्होंने आगे बताया कि हिन्दी भाषा अपने आप में बहुत ही सरल एवं समृद्ध भाषा है जो कि हमारे जीवन की हर अभिव्यक्ति को सही मायनों में दूसरे व्यक्ति के साथ आदान प्रदान करने में पूर्ण रूप से सक्षम है तथा यह किसी दूसरी भाषा से प्रतिस्पर्धा में नहीं होकर अपने आप में निष्पक्ष रूप से अपना मुकाम हासिल करने की क्षमता रखती है।
- Agricultural technology week was celebrated at IISWC RC, Kota, during August 24-29, 2015. Progressive and innovative farmers from Bundi districts of Rajasthan and students from Kendriya Vidyalaya participated in the week long activities. Dr. R.K. Singh, Head of the Centre, while briefing about the importance of celebration of agricultural technology week told that this event is a platform to bring together the researcher, end-users and stakeholders, so that better technologies can reach to grass root level and getting proper feedback for future research and development activities.
- Various cleanliness activities under *Swachha Bharat Abhiyan* were taken up at the Centre. On the day of Gandhi Jayanti, October 2, 2015, all the scientists and staff members of the Centre cleaned the office and hostel premises and surroundings (Photo 13.7). Similar cleanliness activities were also carried out in residential and farm areas on other occasions.
- 62nd Centre's Foundation Day was organized at the Research Centre on October 19, 2015. Dr. Virendra Kumar, Ex-Head of ICAR-IISWC RC, Vasad was the Chief Guest and renowned soil scientist Dr. Ratan Singh was the Guest of Honour. Dr. R.K. Singh, Head of the Centre presides over the function. About 150 retired and serving personals attended the celebration. On this auspicious occasion, a 'Rishi Vatika' (plantation of trees according to Nakshatra - Constellation) was established at Centre in which total 27 trees were planted by former as well as working personals of the centre according to their *Janam Nakshatra*. Retired personals shared their experience as well expressed expectations that are to be achieved in future.

- विश्व मृदा दिवस स्वास्थ्य धरा, खेत हरा इस सत्य को जन जन तक पहुंचाने के लिये संस्थान के अनुसंधान केन्द्र, उडवाड़ा में विश्व मृदा दिवस मनाया गया। समारोह में केन्द्राध्यक्ष डॉ० आर०के० सिंह ने मृदा की तेजी से गिरती गुणवत्ता के कारणों पर चर्चा की तथा वैज्ञानिकों द्वारा किये जा रहे प्रयासों से कृषकों को अवगत कराया। किसानों से अपेक्षा की गई कि मिट्टी में जीवांश पदार्थ बढ़ाने के सभी सम्भव तरीके अपनायें तथा मृदा गुणवत्ता का वैज्ञानिक रूप से आंकलन कर वैज्ञानिकों की सलाह के आधार पर समस्या का निराकरण करें। मृदा स्वास्थ्य कार्ड इस दिशा में एक महत्वपूर्ण कदम है। डॉ० बी०एल० मीना, वरिष्ठ वैज्ञानिक ने मृदा स्वास्थ्य कार्ड का संकलन कर सभी किसानों को वितरित कर मार्ग दर्शन किया और मृदा स्वास्थ्य की स्थिति एवं मृदा परीक्षण के महत्व को बताया। श्री रणधीर सिंह, उपनिदेशक (कृषि), सी०ए०डी०, कोटा ने मृदा स्वास्थ्य की स्थिति एवं मृदा स्वास्थ्य को बनाये रखने के उपायों से किसानों को अवगत कराया। इस अवसर पर बूंदी एवं बांरा जिले के किसानों को मृदा स्वास्थ्य कार्ड प्रगतिशील किसान श्री राम रतन द्वारा दिये गये, जिसमें उनके खेतों की मिट्टी का विवरण, पोषक तत्वों की मात्रा एवं फसलवार खाद एवं उर्वरक की सिफारिशों का विवरण था। कार्यक्रम में कोटा के कृषि वैज्ञानिकों एवं राज्य के कृषि अधिकारियों ने भाग लिया एवं मृदा स्वास्थ्य पर विस्तृत चर्चा करते हुए किसानों की समस्याओं का समाधान किया।
- Farm Innovators Day was organized at Jakhana village in Bundi district on February 29, 2016. About 175 leading, progressive and innovative farmers, Panchayat Presidents / Members and Entrepreneurs participated (Photo 13.7). Dr. R.K. Singh, Head of the Centre briefed the audience on the need of Annual Meet of Farm Innovators and Entrepreneurs in diversified agriculture. Three farmers were felicitated and awarded with Farm Innovator Award, Certificates with Citation for their pioneering work, like vegetable seeds and garlic production, dairy farming and marketing of milk and its value added products and vegetable production and judiciously use of water in rainfed areas etc. The awardees shared their experiences of using these technologies in their field and the benefits realized thereafter. Sh. Anandi Lal Meena, Assistant Director (Horticulture), Bundi, congratulated stressed that the farmers should come forward to take up recent innovative technologies like irrigation with mini sprinkler in field crops, fertigation with drip system in fruit and vegetable crops to enhance the productivity of soil and reduce the cost of cultivation. Sh. Chhotu Lal Saini, AAO, Office of Assistant Director (Agriculture Extn.), Bundi informed the farmers regarding subsidy in different agricultural implements.



Photo 13.7: Farmers Innovator's Day Celebration at Research Centre, Kota

फोटो 13.7 : अनुसंधान केंद्र, कोटा पर किसान प्रवर्तन दिवस का आयोजन

Vasad

- In order to sensitize farmers for conservation of natural resources, the Institute Research Centre, Vasad organized 'World Nature Conservation Day' on August 3, 2015. The function was attended by 70 farmers from different villages in Anand district including villages Kantharia, Mandvapura, Rajupura, Anklavadi, Vasad, etc. Dr. Jitendra Kumar, Director, ICAR-Directorate of Medicinal and Aromatic Plants, Boriavi was the Chief Guest who addressed the participants about resource conservation and linking it to remunerative farming. Dr. P.R. Bhatnagar, Head of the Centre briefed about the importance of natural resource conservation and how it can be beneficial to overall agricultural production system in a long run. Other participants were Programme Coordinators of KVKs of Panchmahal, Anand and Vadodara; Head of Regional station, ICAR-CSSRI, Bharuch; and In-charge Head, Regional Station CIFA, Anand. Different component of natural resources, viz; soil, water, solar energy, fish, salinity based land degradation, fertilization using organic composts, etc. were very well discussed in the meeting with farmers. Various conservation measures and ways and means to increase the productivity without jeopardizing the environment e.g. intensive organic farming, soil and water conservation measures, fertilizer management, multiple uses of resources and integrated farming was well explained by different persons and farmers.
- Agriculture Education Day was celebrated at the Research Centre on October 17, 2015. Sixty students and two teachers along with school Principal participated in the programme. Dr. Kurothe introduced the programme by sharing significance of celebrating the education day.
- In order to recognize few innovative farmers in this region and spread the message among the other farmers, Research Centre celebrated Farm Innovators Day on March 19, 2016. More than 80 farmers from five villages, Rayka and Dodka (district Vadodara); villages Bhadarn and Valvod (district Anand); village Nawad (district Panchmahal); and Nanarapura (district Kheda) participated in the programme. Five farmers among them were

awarded for various innovative and remunerative farming system adoptions as well motivating other farmers which lead to overall development in the field of agriculture and allied activities (Photo 13.8). On this occasion, Prof. N.C. Patel, Vice-Chancellor, AAU, Anand was the chief guest who further motivated the farmers to learn modern techniques of farming from different sources for their benefit. Besides Dr. Bhatnagar, Head of Centre, Dr. P. Manivel, Pr. Scientist, DMAPR, Boriavi; Dr G.G. Patel, Sr. Scientist & Head, KVK, Devataj (Anand); and Dr Bharat Mehta, Sr. Scientist & Head, KVK, Mangal Bharti (Vadodara) also expressed their views. Addressing the gathering, Chief Guest Dr Patel asked farmers to be careful about maintaining soil, water and environment as these would sustain agricultural production and humanity. Farmers also visited the farm of the centre which has different live demonstrations of erosion control measures.

- Training and farmers' field day of blue and green water harvesting techniques and 'Soil and water conservation techniques for rainfed region' were organized by Dr. B.K. Rao, Sr. Scientist on January 11 and February 16-17, 2016 for the farmers of Navadh, Surajpura, Rewalia in Panchmahal district; Chicklod, Nana Rampura, Vejalpura in Kheda district; and Rajupura village in Anand district of Gujarat under the DST funded project 'Development of efficient and innovative blue and green water harvesting techniques for enhancing the land and water productivity of semi-arid districts of Gujarat'. About one hundred farmers attended the training and field demonstrations, where exposure visits to cost effective and innovative blue water harvesting techniques, viz; plastic check dams for different flow regimes and recharge filters for farmers were organized.



Photo 13.8 : Chief Guest awarded the farmers for various innovative and remunerative farming system adoptions during Farm Innovators Day celebration at Research centre, Vasad

फोटो 13.8 : मुख्य अतिथि खेत प्रवर्तन दिवस समारोह के दौरान विभिन्न अभिनव और लाभकारी खेती प्रणाली को अपनाने वाले किसानों को अनुसंधान केंद्र, वासद पर सम्मानित करते हुए

Datia

- On centre's Foundation Day a sensitization workshop-cum-field day was organized on Sept. 18, 2015 to share the centre's research and development activities among different stakeholders and apprised them about various adoptable SWC technologies. Programme was inaugurated by Sh. Bhaskar Lakshakar, IAS, CEO (*Jila Panchayat*) and Collector, Datia along with Dr R.K. Tiwari, Pr. Scientist (Horticulture) as representative of Director, ICAR-CAFRI, Jhansi (UP). The function was represented by more than 75 participants of line departments, NGOs, teachers and progressive farmers from more than 6 villages.

Hindi *Pakhvada* was organized by the centre during September 14-30, 2015 (Photo 13.9). A number of competitions (Hindi essay competition, letter writing, poems, quiz and group events) were organized at the centre throughout the fortnight in which centre staff actively participated. Smt. Sadhana Sharma, Principal Kendriya Vidyalaya, Datia distributed the prizes to winners of different events during closing ceremony organized on 30.9.2015.



Photo 13.9: Hindi Pakhvada celebration During September 2015 at Research Centre, Datia

फोटो 13.9 : अनुसंधान केंद्र, दतिया पर सितंबर 2015 में हिंदी पखवाड़ा समारोह

Bellary

- Centre's Foundation Day was organized on October 20, 2015 at the Research Centre. Dr. Ravi Shankar, In-

charge KVK, Hagari was the Chief Guest of the function. Farmers from Joladarasi, K. Virapura and Chellagurki villages of Ballary Taluk participated. Participants were briefed about the history of the centre and various activities carried out and a few farmers also shared their views on extensions services and financial assistance received by them in adopting compartmental bunding, farm ponds, horticulture with drip irrigation, inputs and crop management advices. A film on Centre's activities was also shown to them. Centre's TOT farmer Shri Boga Reddy has shared his experiences of foreign visit (Government sponsored) about agriculture as an enterprise and investments of overseas farmers and expressed good wishes to Head and staff of the centre on foundation week. Chief Guest Dr. Shankar in his address emphasized the importance of farmers' participation in centre's activities at the watershed and low monetary practices which the farmers can adopt for better productivity.

- World Soil Health Day was observed on December 5, 2015 at K. Veerapura TOT village. Farmers from adopted TOT villages by the Centre namely - Joaladarasi, Cellagurki and K. Veerapura have taken part and interacted with scientists. Scientists spoke on the importance of maintaining soil health for posterity. Twenty soil health cards were distributed to the farmers. Interpretation of soil health characteristics parameters was also made for easy comprehension of soil status of their fields.
- An interaction meeting with farmers in connection with *Jai Kisan Jai Vigyan* day was organized on December 28, 2015 at Chellagurki village. Scientists and farmers interacted on soil and water conservation, improved crop management and latest developments in the field of agriculture.

Koraput

- Organized one day workshop on '*Jhola* land utilization' on April 22, 2015 in which 26 farmers from 6 villages (Chalanput, Patraput, Podagada, Mukhibidai, Badabadigaon and Malipungar) of Semiliguda Block, Koraput district participated, interacted and expressed their views about *Jhola* land and its utilization. Dr M. Madhu, Head of the Centre and other scientists of the Centre interacted with the farmers. Relevant issues of *Jhola* land systems like present cultivation practices in *jhola* land, problems related to *jhola* land cultivation, source of water to *jhola* systems, viable options for development of these highly productivity land, and scientific management of *jhola* land were discussed.
- Hindi Diwas as usual was celebrated at RC, Sunabeda on September 14, 2015, followed by series of competition (Essay, Hindi translation, Hindi meaning, Hindi text writing (Hinglish) and Hindi alphabet) to make the programme meaningful. Staff members, farmers and children enthusiastically participated in the competition. On the concluding day Dr. S. Patil, Director, CCBF and Sh. Omkar Das Manikpuri, Sr. Manager HRD, HAL, Sunabeda graced the occasion as Chief Guest and Speaker. Dr. M. Madhu, Head, in his welcome address, urged and desired that all we must strive for maximum use of Hindi in day-to-day official work. Chief speaker briefed about the present status and highlighted the need, importance and use of Hindi with every walk of life and urged to extend helping hand in promotion of Hindi language. Dr. S. Patil, Director, in his address advised that all our efforts are needed for the spread of Hindi globally. On this occasion, farmers from TSP adopted village also participated in the programme and expressed their feedback in Hindi about various activities they are doing in Agriculture (Photo 13.10). To boost the morale, winners of various competitions were rewarded. With a pledge that everyone should not only talk but also walk and act as a torch bearer to promote Hindi.
- Celebration of *Jai Kisan Jai Vigyan* week was organized on December 28, 2015 at village Jogiput adopted under *Mera Gaon Mera Gaurav* Programme. About 150 farmers, 60 children, women self help group member etc. participated in the event. In the programme villagers/ Sarpanch/farmers/Ladies



Photo 13.10: Farmers expressing their views on the occasion of Hindi Divas celebration at Research Centre, Koraput
 फोटो 13.10 : अनुसंधान केंद्र, कोरापुट में हिंदी दिवस उत्सव के अवसर पर कृषक अपने विचार व्यक्त करते हुए

SHG/Agriculture officer/children's participated (Photo 13.11). Dr M. Madhu, Head of the Centre and scientists of different disciplines (Dr. D.C. Sahoo, Dr. P.P. Adhikary, Dr Ch. J. Dash, Dr. Karam Beer, Mr. M.K. Meena were interacted with the farmers. Programme began with bottom up approach of drawing competition among school children, in which 45 tribal students participated followed by interaction between farmers and scientists. Chief Guest Sh. Ramesh Ch. Rath Block Agricultural Office, Nandapur suggested to reap the benefits of developmental initiatives implemented by the govt. department. Dr. M. Madhu, Head of the centre, stressed upon the need of soil and water conservation, and utilizing the solar irrigation pump in rejuvenating the lands. To boost the morale of school children, prizes and consolation prizes were given to the participated children.

- Research Centre, Sunabeda celebrated World Soils Day / International Year of Soils - 2015 on December 5, 2015 in association with Soil Testing Laboratory, Agricultural Department, Koraput at Town Hall, Koraput. More than 300 farmers from different blocks of Koraput district were participated in the event. Programme was inaugurated by Smt. Malthi Majhi, Charman, Zila Parishad, Koraput district in presence of Sh. Kailash Biswas, Deputy Director of Agriculture, Jeypore; Dr M. Madhu, Head, IISWC RC, Sunabeda; Sh. Bhavani Shankar Kallo, Project Director, Watershed, Koraput; Sh. Lingaraj Acharya, District Director of Horticulture, Koraput; and Sh. Suresh Kumar Choudhury, MLA, Jeypore. All the Agricultural Officers from the block levels were also participated in the event. Exhibition stalls were also exhibited agricultural related inputs & implements during the event. A Soil calendar prepared by ICAR- IISWC, RC, Koraput was released by the Chief Guest and distributed to all the farmers and other participants (Photo 13.12). Calendar depicts the role of soil and water in supporting life on earth and need for their conservation with best management practices. The research centre also displayed exhibits indicating soil formation process, soil function, soil degradation and management practices to conserve soil and maintaining soil health to feed the growing population.



Photo 13.11: Celebration of Jai Kishan Jai Vigyan week by Research Centre, Koraput at Jogiput village

फोटो 13.11 : अनुसंधान केंद्र, कोरापुट द्वारा जोगीपुट गाँव में जय किसान जय विज्ञान सप्ताह का आयोजन



Photo 13.12: Zila Parishad Chairperson, Koraput releasing soil calendar on the occasion of World Soil Day celebration

फोटो 13.12 : जिला परिषद अध्यक्ष, कोरापुट द्वारा विश्व मृदा दिवस समारोह के अवसर पर मृदा कैलेंडर का विमोचन