

### इस्टीट्यूट ऑफ हॉर्टीकल्चर टेक्नोलॉजी Institute of Horticulture Technology

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## Monthly Newsletter

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#### Hindi Pakhwada: Promoting the Use and Importance of Hindi in Various Sectors

Hindi Pakhwada is a two-week celebration aimed at promoting the use and importance of the Hindi language across different fields. It begins on September 14, with Hindi Diwas, and continues for the next 15 days. This celebration was enthusiastically observed at the Institute of Horticulture Technology (IHT) Greater Noida, in the presence of Director Dr. R.S. Kureel and Associate Director Dr. V.K. Kaul. The event emphasized the significance of the Hindi language and its positive impact on the nation after being adopted as the official language. Discussions highlighted the contribution of Hindi to national unity and development, and its crucial role in communication and cultural heritage. During the Hindi Diwas celebration, Dr. R.S. Kureel enlightened everyone about the history of the Hindi language. He explained the development of Hindi, its origins from ancient languages like Sanskrit, and how it has become a widely spoken and respected language today. Dr. Kureel emphasized Hindi's historical journey, its official recognition as a national language, and its significant role in uniting the country. His address provided deep insights into the cultural and historical importance of Hindi. Dr. V.K. Kaul, during the Hindi Pakhwada celebration, discussed the government's various efforts to promote and encourage the Hindi language. He elaborated on how the government has formulated policies for the development of Hindi and the steps taken to promote its use in various government offices, institutions, and organizations. Dr. Kaul also explained that several schemes, programs, and campaigns are being conducted at the governmental level to encourage the use of Hindi and elevate it as a strong and effective language. His thoughts raised awareness among the participants about the government's commitment to Hindi and inspired further promotion of the language.

Agriculture has always been the backbone of India's economy, and the use of Hindi as a medium of education and communication in this field is crucial for the country's farmers and agricultural professionals. At IHT, we emphasize making advanced horticultural practices and technologies accessible to Hindi-speaking farmers and trainees. By integrating Hindi into our educational and training modules, we ensure the widest reach of modern agricultural techniques, enhancing the understanding and application of new methodologies in landscape gardening, orchard management, and sustainable farming.

#### हिंदी पखवाड़ा: विभिन्न क्षेत्रों में हिंदी के उपयोग और महत्त्व को बढ़ावा

हिंदी पखवाड़ा हिंदी भाषा के उपयोग और महत्त्व को विभिन्न क्षेत्रों में बढ़ावा देने के उद्देश्य से मनाया जाने वाला दो सप्ताह का उत्सव है। इसकी शुरुआत 14 सितंबर को हिंदी दिवस के साथ होती है और यह अगले 15 दिनों तक चलता है। हिंदी पखवाड़ा बड़ी उत्साह और खुशी के साथ प्देजपजनजम वभ्वितजपबनसजनतम ज्मबीदवसवहल (फ्जे ग्रेटर नोएडा में निदेशक डॉ. आर. एस. कुरेल और सहयोगी निदेशक डॉ. वी.के. कौल की उपस्थिति में मनाया गया। इस कार्यक्रम में हिंदी भाषा के महत्त्व और इसके राजभाषा के रूप में अपनाए जाने के बाद राष्ट्र पर इसके सकारात्मक प्रभाव पर जोर दिया गया। चर्चाओं में हिंदी के राष्ट्रीय एकता और विकास में योगदान, और इसके संचार एवं सांस्कृतिक धरोहर में महत्त्वपूर्ण भूमिका को रेखांकित किया गया।

निदेशक डॉ. आर.एस. कुरेल ने हिंदी दिवस समारोह के दौरान सभी को हिंदी भाषा के इतिहास के बारे में बताया। उन्होंने हिंदी के विकास, इसके संस्कृत जैसी प्राचीन भाषाओं से उत्पत्ति और इसके आज के समय में एक व्यापक रूप से बोली जाने वाली और सम्मानित भाषा बनने की यात्रा के बारे में बताया। डॉ. कुरेल ने हिंदी की ऐतिहासिक यात्रा, इसे राष्ट्रीय भाषा के रूप में मिली आधिकारिक पहचान और देश को एकजुट करने में इसकी महत्वपूर्ण भूमिका पर जोर दिया। उनके संबोधन ने हिंदी के सांस्कृतिक और ऐतिहासिक महत्त्व पर गहरी जानकारी दी। डॉ. वी.के. कौल ने हिंदी पखवाड़ा समारोह के दौरान सरकार द्वारा हिंदी भाषा को बढ़ावा देने और प्रोत्साहित करने के विभिन्न प्रयासों के बारे में चर्चा की। उन्होंने बताया कि कैसे सरकार ने हिंदी के विकास के लिए नीतियां बनाई हैं और विभिन्न सरकारी कार्यालयों, संस्थानों, और संगठनों में हिंदी के उपयोग को बढ़ावा देने के लिए कदम उठाए हैं। डॉ. कौल ने यह भी बताया कि सरकारी स्तर पर हिंदी को प्रोत्साहित करने के लिए विभिन्न योजनाएं, कार्यक्रम और अभियानों का संचालन किया जा रहा है, ताकि हिंदी को एक सशक्त और प्रमावी भाषा के रूप में और आगे बढ़ाया जा सके। उनके विचारों ने प्रतिभागियों को हिंदी भाषा के प्रति सरकार की प्रतिबद्धता क बारे में जागरूक किया और इसके उपयोग को और अधिक बढ़ावा देने के लिए प्रेरित किया।

इस कार्यक्रम में शिक्षण और गैर–शिक्षण स्टाफ ने सक्रिय रूप से भाग लिया, जिससे यह आयोजन सफल रहा। यह उत्सव हिंदी के महत्व को पहचानने और देश की प्रगति में इसके योगदान को उजागर करने का एक मंच बना। हिंदी दिवस की इस मनाए जाने की प्रक्रिया ने हिंदी पखवाड़ा की भी शुरुआत की, जिसका उद्देश्य विभिन्न क्षेत्रों में हिंदी भाषा के उपयोग और प्रशंसा को बढ़ावा देना है। यह आयोजन अत्यधिक सफल रहा और प्रतिभागियों पर एक स्थायी प्रभाव छोड़ते हुए हिंदी के दैनिक जीवन और राष्ट्रीय पहचान में महत्त्व को मजबूत किया।





#### Revolutionizing Horticulture: Jharkhand Farmers Gain Expertise through Specialized Out of State Trainings and Exposure Visits

Jharkhand is an agriculture-dependent state with good crop production, but to further increase yields, the incorporation of new agricultural technologies is essential. Keeping this in mind, due to the efforts of the Jharkhand Horticulture Department, under MIDH, farmers from Dumka, Pakur, and Ramgarh districts of Jharkhand were deputed to the Institute of Horticulture Technology (IHT) for training and exposure visit Programmes on innovative horticulture production. Under exposure visit programme they were visited Haryana and Himachal Pradesh, where they toured Dr. Y.S. Parmar University in Solan, Himachal Pradesh the HAIC Integrated Mushroom Research & Development Center in Sonipat Haryana, the ICAR-Central Potato Research Institute (CPRI) in Shimla, Himachal Pradesh the Centre of Excellence for Vegetables Indo-Israel in Gharaunda, Karnal, and a progressive farmer's field (Shri Kanwal Singh Chauhan, Padma Shri Awardee) in Sonipat, Haryana. During their visit, the farmers received training on various topics such as potato farming and seed production at CPRI, mushroom farming, irrigation technology, soilless nursery production, hydroponic farming, high-tech greenhouses, polyhouses for controlled environment agriculture, baby corn production, and post-harvest management techniques like grading, packing, and storage.



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During the training program, participants interacted with IHT experts on topics like plant propagation, soil health management, and protected cultivation using greenhouses. They learned about advanced irrigation techniques, including drip and hydroponics, and discussed pest and disease management.



Practical demonstration and hands on training on soil sampling, Bed Preparation and Soil Moisture Conservation



Showcasing of Polyhouse Farming and Fertigation Technology in IHT, Technology Park and Touring the Greenhouse Garden Center

Overall, the farmers were highly satisfied with the training and exposure they received. They expressed enthusiasm about applying the knowledge and techniques learned during the program to improve crop yields and farming practices in their districts. The insights gained from the visit are expected to have a significant impact on their agricultural productivity, contributing to the overall growth and sustainability of horticulture in Jharkhand. Some reviews from farmers are -

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# Advancements in Citrus Disease Management and Grafted Nursery Production

Citrus fruits are widely cultivated in about 140 countries, with a notable concentration in the Asia-Pacific region. Recently, the popularity of citrus-based beverages has led to an increase in citrus farming. However, citrus cultivation faces significant challenges due to over 15 different diseases, including citrus greening and tristeza. These diseases can severely impact both the yield and quality of citrus crops, posing a major threat to producers. To combat these issues, the Institute of Horticulture Technology (IHT) has come up with an effective solution through the use of disease-free nursery seedlings. The IHT has made significant progress in advancing clean plant production methods. Utilizing STG-based (Standard Technology Guidelines) techniques, the institute ensures that citrus seedlings are free from harmful viruses like Citrus Tristeza Virus (CTV) and citrus greening. This approach helps in establishing mother blocks and producing certified bud wood that is essential for healthy citrus plants. In Assam, IHT Mandira has played a crucial role in enhancing local citrus farming practices. IHT organized training programs aimed at teaching farmers how to

produce high-quality citrus plants through grafting techniques. This hands-on training equips farmers with the skills needed to produce disease-free, high-quality grafted seedlings. Following the training, the institute distributed these grafted planting materials to local farmers for field demonstrations. This initiative is designed to improve citrus production in the region by providing farmers with access to superior planting materials. By doing so, it aims to boost the yield and quality of citrus crops, supporting the overall welfare of farmers in the Northeast. The successful implementation of these techniques not only addresses disease-related challenges but also contributes to the sustainable development of the citrus industry in the region.



A view of grafted citrus nursery at IHT Mandira Assam



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