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Commercial Hydroponics Course at the Institute of Horticulture Technology, Greater Noida: Igniting a Bright Future in Horti-Business

The Institute of Horticulture Technology (IHT), Greater Noida, offers a cutting-edge Commercial Hydroponics Course, designed to equip aspiring horticulturists and entrepreneurs with the skills and knowledge needed in the rapidly growing field of soilless farming. As the demand for sustainable and efficient agricultural practices rises, hydroponics has emerged as a game-changer in modern horticulture. This course is your gateway to mastering this innovative technique and building a successful career or business in the horticulture industry.

Hydroponics, the science of growing plants without soil, is revolutionizing the way we cultivate crops. By using nutrient-rich water solutions, hydroponics allows for faster growth, higher yields, and efficient use of resources such as water and space. This makes it an ideal solution for urban farming, commercial agriculture, and even home gardening. At IHT, our Commercial Hydroponics Course provides a comprehensive understanding of this technique, covering everything from system design and nutrient management to pest control and crop optimization.

One of the key highlights of this course is its focus on practical, hands-on learning. Trainees at IHT gain access to state-of-the-art hydroponic systems and facilities, where they can apply their knowledge in real-world scenarios. Whether you're interested in setting up your own hydroponic farm or working with established agricultural enterprises, the skills you acquire at IHT will prepare you to excel in the competitive world of horti-business. With the global hydroponics market projected to grow significantly in the coming years, this course offers a unique opportunity to tap into a lucrative and sustainable industry.

The Institute of Horticulture Technology (IHT), Greater Noida, is renowned for its commitment to excellence in horticulture education. With experienced faculty, advanced infrastructure, and a focus on innovation, IHT provides the perfect environment to ignite your passion for hydroponics and horti-business. Whether you're a recent graduate, a working professional, or an aspiring entrepreneur, this course is designed to meet your needs and help you achieve your goals.



Commercial Hydroponics Training for Entrepreneurs

During the month IHT organized training program on Commercial Hydroponics, addressing the rising demand for soilless farming. Participants from various states learned advanced techniques like NFT, Grow Bags, Dutch Buckets, and DWC for cultivating premium crops such as lettuce, spinach, herbs, and wine crops. Hands-on sessions provided practical experience in setting up and managing hydroponic systems, optimizing plant growth, and ensuring high productivity



Hands on training on leafy green production in NFT and soilless nursery production

IHT Conducts Exposure Visits under MIDH/NHM for Farmers

Institute of Horticulture Technology (IHT) successfully organized out-of-state exposure visits for farmers from various districts of Bihar under Mission Integrated Development of Horticulture (MIDH) and National Horticulture Mission (NHM). The program aimed to equip farmers with innovative horticultural techniques, focusing on high-value crops such as strawberries, citrus fruits, and potatoes.

Farmers from Bihar's Purnia, Aurangabad, Begusarai, and Rohtas districts participated in an exposure visit to Mahabaleshwar Maharashtra, region renowned for its commercial strawberry production. During the visit, they gained in-depth knowledge of strawberry cultivation through interactions with progressive farmers and agricultural experts. They visited the Regional Strawberry Research Institute in Mahabaleshwar, where they had an opportunity to know about scientific strawberry farming, disease management, and post-harvest techniques. Additionally, the farmers explored model farms of leading strawberry. These interactions provided valuable insights into improved cultivation methods, greenhouse farming, and marketing strategies.



Bihar farmers during their visit to Mahabaleshwar Maharashtra

Another group of farmers from Jamui, Munger, Bhagalpur, and West Champaran districts was taken to Nagpur, Maharashtra, known as the 'Orange City of India,' to know about modern techniques in citrus farming. The visit included a tour of progressive citrus farms and an interactive session at the Central Citrus Research Institute (CCRI), Nagpur. Farmers engaged with scientists and agronomists to understand advanced citrus cultivation techniques, including high-density planting, integrated pest management, and post-harvest handling. The exposure provided them with practical knowledge that can be implemented in their home districts to enhance citrus productivity and profitability.



Bihar farmers during their visit to Nagpur, Maharashtra

Similarly, farmers from Muzaffarpur, Vaishali, and Samastipur districts participated in an exposure visit to Shimla, Himachal Pradesh, and Haryana, focusing on potato cultivation. They visited leading agricultural institutions like CPRI, Kufri, YS Parmar University and progressive farms specializing in seed potato production, cold storage management, and disease-resistant varieties. They learned about scientific planting techniques, water-efficient irrigation methods, and best post-harvest practices. The visit also highlighted advanced storage and supply chain mechanisms, which can significantly help Bihar's potato farmers in reducing post-harvest losses and increasing their market reach.



Bihar farmers during their visit to Uttar Pradesh, Himachal Pradesh, and Haryana

These exposure visits have proven to be a crucial step in empowering Bihar's farmers with modern horticultural knowledge and techniques. By learning from experts and successful growers in different agro-climatic zones, farmers are now better equipped to adopt advanced farming practices in their respective districts. The hands-on experience gained during the visits will enable them to improve productivity, enhance quality, and increase their profitability in horticultural ventures. The Institute of Horticulture Technology (IHT) continues its commitment to strengthening India's horticultural sector by facilitating such knowledge-exchange programs.

Trainings and Exposure visits for Jharkhand Farmers

The Institute of Horticulture Technology (IHT) organized exposure visits and training programs for farmers from various districts of Jharkhand under the Mission Integrated Development of Horticulture (MIDH) and the National Horticulture Mission (NHM). These programs aimed to enhance farmers' knowledge of advanced horticultural techniques, post-harvest management, and modern farming practices.

Farmers from Dhanbad district visited Nashik, Maharashtra, a major hub for grape and onion production. During the visit, they interacted with progressive farmers, agronomists, and experts to gain insights into viticulture (grape cultivation) and scientific onion farming. The exposure focused on high-density planting, irrigation techniques, pest and disease management, and post-harvest handling of grapes and onions. The farmers also visited packhouses and cold storage units to understand supply chain management and marketing strategies, which will help improve their own agricultural productivity.



Jharkhand farmers during their visit to Nashik, Maharashtra

Upcoming Training Programs

Take your agricultural skills to the next level with IHT's expert-led training programs designed for aspiring and experienced growers alike.

1. **Commercial Hydroponics (Online & Offline):** A hybrid training program offering in-depth insights into setting up and managing large-scale hydroponic farms.
2. **Protected Cultivation & Nursery Production (Offline):** Hands-on training in greenhouse farming techniques and efficient nursery management for high-yield vegetable production.
3. **Hydroponic Saffron Cultivation (One-Day Offline):** A specialized session exploring innovative methods for growing saffron using hydroponic techniques.
4. **Mushroom Production Technology (Online):** Learn modern, scientific approaches to successfully cultivating different mushroom varieties.