

Programme Schedule

Days 1–4: Training at IHT Greater Noida

Day	Time	Topic
Day 1	10:00 – 10:15	Registration
	10:15 – 11:15	Introduction, Importance, Scope and Future Opportunities of Vegetable Grafting
	11:15 – 12:15	Grafting Tools, Materials and Hygiene Protocols (knife, blades, clips, tubes, secateurs, forceps, alcohol spray, gloves, labels, thermometer, hygrometer, LED lights, work table)
	12:15 – 1:00	Soil-Borne Diseases and Nematode Management (<i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Verticillium</i> , <i>Sclerotinia</i> , <i>Pythium</i> , <i>Phytophthora</i> ; root-knot nematode and solanaceous rootstocks)
	1:00 – 1:30	Quality Standards and Economics of Grafted Seedlings (packaging, transportation, cost-benefit analysis, commercial nursery establishment)
Day 2	10:00 – 11:00	Selection of Seed for Rootstock and Scion (significance, quality parameters, testing methods: physical purity, viability, health)
	11:00 – 12:30	Healing Chamber and Greenhouse Management (environmental control, greenhouse construction, primary hardening, CEA climate systems)
	12:30 – 1:30	Growing Accessories and Containers (types, cost, durability, treatment, soilless media – cocopeat, vermiculite, perlite; media preparation; EC and pH measurement)
Day 3	10:00 – 11:45	Raising Seedlings of Scion and Rootstock (Solanaceae & Cucurbitaceae) – open vs. protected nursery, hi-tech plug nursery, plant protection, nutrient management
	12:00 – 1:30	Hands-On Training on Grafting Techniques – Splice, Cleft, Tube, Tongue, Hole Insertion, Approach (step-by-step practice)
Day 4	10:00 – 11:15	Post-Grafting Care – Healing, Hardening, Nutrient Management, Care of Seedlings, Transplanting Methods
	11:15 – 12:15	Micro-Irrigation Systems in Seedling Production – Advantages, components, discharge rates, filters, PC/non-PC emitters, fertiliser injection, EC/pH for nutrient uptake
	12:15 – 1:15	Integrated Pest Management (IPM) and Personal Protective Equipment
	1.15 – 2.15	Online live interaction with entrepreneur earning profit- Post grafting entrepreneurship like cost of production per seedling, pricing, profit margins, break even, business models, marketing & nursery licensing/registration overview
	2.15 – 2:30	Open Discussion, Q&A and Certificate Distribution

There may be some variation in the programme, if necessary