

Vegetable Seed Production and Technology (IHT-111)

DURATION - 3 Months

Chapter 1: Basics of Vegetable Seed Production

Status of Vegetable Industry in India
Floral Biology and Breeding System in Vegetable Crops
Seed Development and Maturation
Regions of Vegetable Seed Production

Chapter 2: Packaging and Practices for Seed Production of Important Vegetable Crops

Seed Production of Self Pollinated Vegetable Crops (Garden Pea, French Bean, Tomato)
Seed Production of Often Cross Pollinated Vegetable Crops (Okra, Chillies, Capsicum, Brinjal)
Seed Production of Cross Pollinated Vegetable Crops (Cole Crops, Root Crops, Onion, Cucurbits, Spinach Beat)
Methods of Hybrid Seed Production
Field Standards and Seed Standards for Various Vegetable Seeds

Chapter 3: Seed Technology

Seed Separation/Seed Processing/Seed Conditioning/Vegetable Machines and Equipments
Introduction to Various Seed Processing Methods
Seed Testing

Chapter 4: Seed Storage and Marketing

Temperature and Moisture Requirement for Seed Storage
Long Term and Short Term Storage
Seed Viability, Germination and Conductivity, Accelerated Ageing and Seed Priming
Marketing Channels for Seed
Vegetable Seed Marketing in India