International Conference on
"Novel Approaches in Agro-ecology, Forestry, Horticulture, Aquaculture,
Animal Biology and Food Sciences for Sustainable Community Development"
(Agro-tech-2018)

# Protected Cultivation of Important Horticultural Crops

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**Abstract—***Greenhouse is framed structures covered with UV stabilized plastic films in which crops are grown under partially or controlled environment conditions. A.Naturally Ventilated – Tubular, Wooden & Bamboo B.Fad & Pad System Shadenet house are considered as one of the major technologies to provide development of healthy grafts/ seedlings & hardening for various horticultural crops irrespective of climatic conditions. Moderates temperature & humidity. Plant propagation is effective. Helps to improve quality and quantity of produce. Reduces infestation of disease / pests. Savings in water & fertilizer requirements as compared to open field cultivation. Reduces gestation period of the crop. Walk-in tunnels structure is covers with UV film, suitable for all types of crops; flowers and vegetables. Designed to withstand wind up to 120km/hr, and trellising loads up to 25 kg/m2.Structure gable configuration can be 8 or 10 meters wide. Height reaches 4.10m (2" pipe) for 8m, and 4.50m (3" pipe) for 10m.Option for vertical curtains (2m long) on tunnels side walls. 2 or 3 meter height. These are miniature structures producing greenhouse like effect. Facilitates the entrapment of carbon di-oxide thereby enhancing the photosynthetic activity. It protects plants from harsh climatic conditions such as rain, wind, hail snow etc. These are mainly used for raising nursery. Advantages: Protects from hostile climate. Helps in early seed germination. Round the year cultivation is possible. Healthy saplings can be raised.*

**Keywords***: Green house, structure, walk in tunnels, plastic tunnels, advantages etc.*

**ISBN**: 978-93-85822-77-3
Pages No.: 30-30