

- ❖ Protected cultivation provides favorable environment and protect crop from external crop damaging factors
- ❖ Cucumber is most commonly grown greenhouse crop grown in arid and semi-arid
- ❖ Constant demand throughout the year fetches higher prices during off-season
- ❖ Fruit yield was in order of Fan-pad polyhouse> Naturally ventilated polyhouse> Insect net house> Shade net house



Naturally ventilated polyhouse



Seedling stage



Vegetative stage



Fruiting stage

- ❖ In a year, 3 crops in a succession or 1 crop with tomato/capsicum can be taken
- ❖ Popular gynoecious cultivars of cucumber (parthenocarpic-seedless) are Terminator, Y-225, Fadia, multistar, Kingstar, Kafea, Gurka (52-32)
- ❖ Fruit yield varies from 8 to 16 kg m⁻² in different seasons and structure (in 2.5m trellis)
- ❖ One kg cucumber is produced from 30-35 litres of water
- ❖ Grafted cucumber can further increase yield by minimizing risk associated with intensive crop management (root diseases) and weather aberrations (heat and moisture stress)



Grafted (L) vs normal (R)