



Higher Income from Protected Cultivation



- ▶ Intensive method of vegetable production
- ▶ Creation of favorable micro-climate for plants
- ▶ Better quality and high yields
- ▶ Optimum utilization of land and other resources

Crops: Cucumber, Tomato

Common types of polyhouses

Naturally ventilated polyhouse (NVP)

Yield : Cucumber 12.0-14.0 kg m⁻²
Tomato 14.0-16.0 kg m⁻²

Water use : Cucumber 30.0-32.0 litres kg⁻¹ fruit
Tomato 45.0-48.0 litres kg⁻¹ fruit

Insect proof net house (INH)

Yield : Cucumber 10.0-12.0 kg m⁻²
Tomato 12.0-14.0 kg m⁻²

Water use : Cucumber 35-38 litres kg⁻¹ fruit
Tomato 52-55 litres kg⁻¹ fruit

Shade net house (SNH)

Yield : Cucumber 6.0-8.0 kg m⁻²
Tomato 8.0-10.0 kg m⁻²

Water use : Cucumber 60.0-62.0 litres kg⁻¹ fruit
Tomato 72.0-75.0 litres kg⁻¹ fruit

Payback period: NVP 3.0 years
INH 4.0 years
SNH 5.5 years



(January - May; September - March)



(August - September)



Naturally ventilated polyhouse



Insect proof net house



Shade net house

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