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Center for Smart Agriculture

High value Cut flowers



Module 1: Gerbera Cultivation

Session 2: Pre-requisites of Gerbera cultivation



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Infrastructural Requirement

- Open ventilated saw-toothed poly house
- 50% Shadenet in tropical and subtropical
- Lay the shadenet during day
- Drip irrigation system with foggers is essential to maintain RH
- Optimum Relative humidity (RH): 70 to 75%



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Site selection for Polyhouse

- Adequate supply of water and electricity is essential
- Soil should be Arable and well drained soil
- Labours and experts should be easily available
- Entry of light should not be obstructed
- Space should be present for further extension



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Polyhouse Dimensions

- In general, polyhouse of 800 to 1000 m² are recommended

Orientation: North- South

Roof Material: 200 micron UV stabilized polythene

Side wall material: 40 mesh

Height:

- Side walls: 10-12 feet
- Center: 20-24 feet



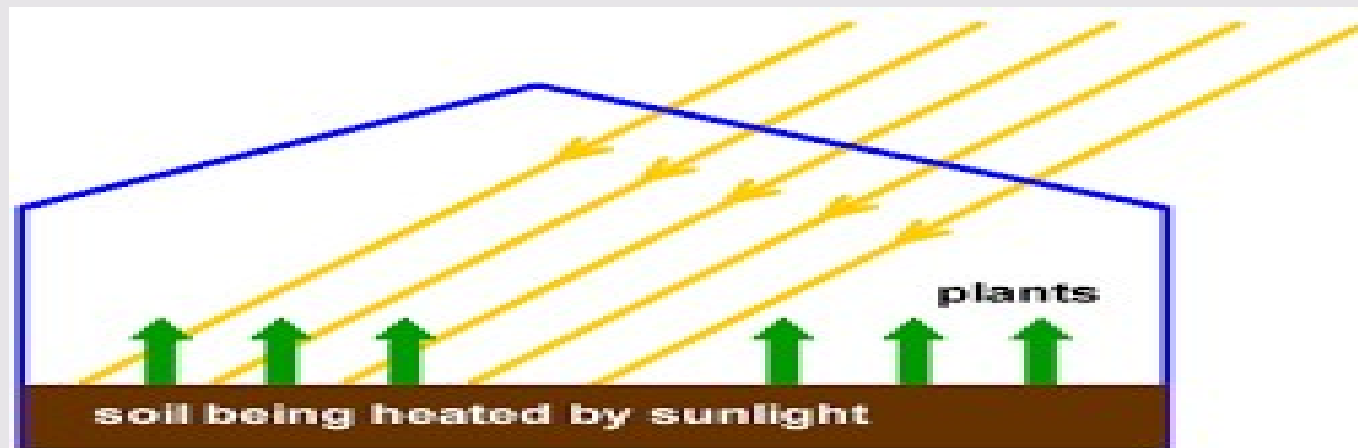


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Climatic Requirement

- Optimum temperature: 20 to 27°C
- Day temperature: 22 to 27°C
- Night temperature: 12 to 16 °C
- The sunlight intensity 35,000 to 40,000 lux
- When temperature falls below 12 °C and reaches more than 35 °C, flower production is adversely affected.





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Soil Requirement



Material	Clay	Silty loam
Red soil	55%	60%
Sand	15%	10%
FYM	30%	30%
Rice husk	4 kg/m ²	2.5 kg/m ²



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THANK YOU