



Aeroponics



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First time this method was invented by NASA to grow plants in space. Later Holland and Israel have taken R&D trials. In India, Jain Irrigation has made the first commercial installation in Punjab. It is running successfully for the past three years.

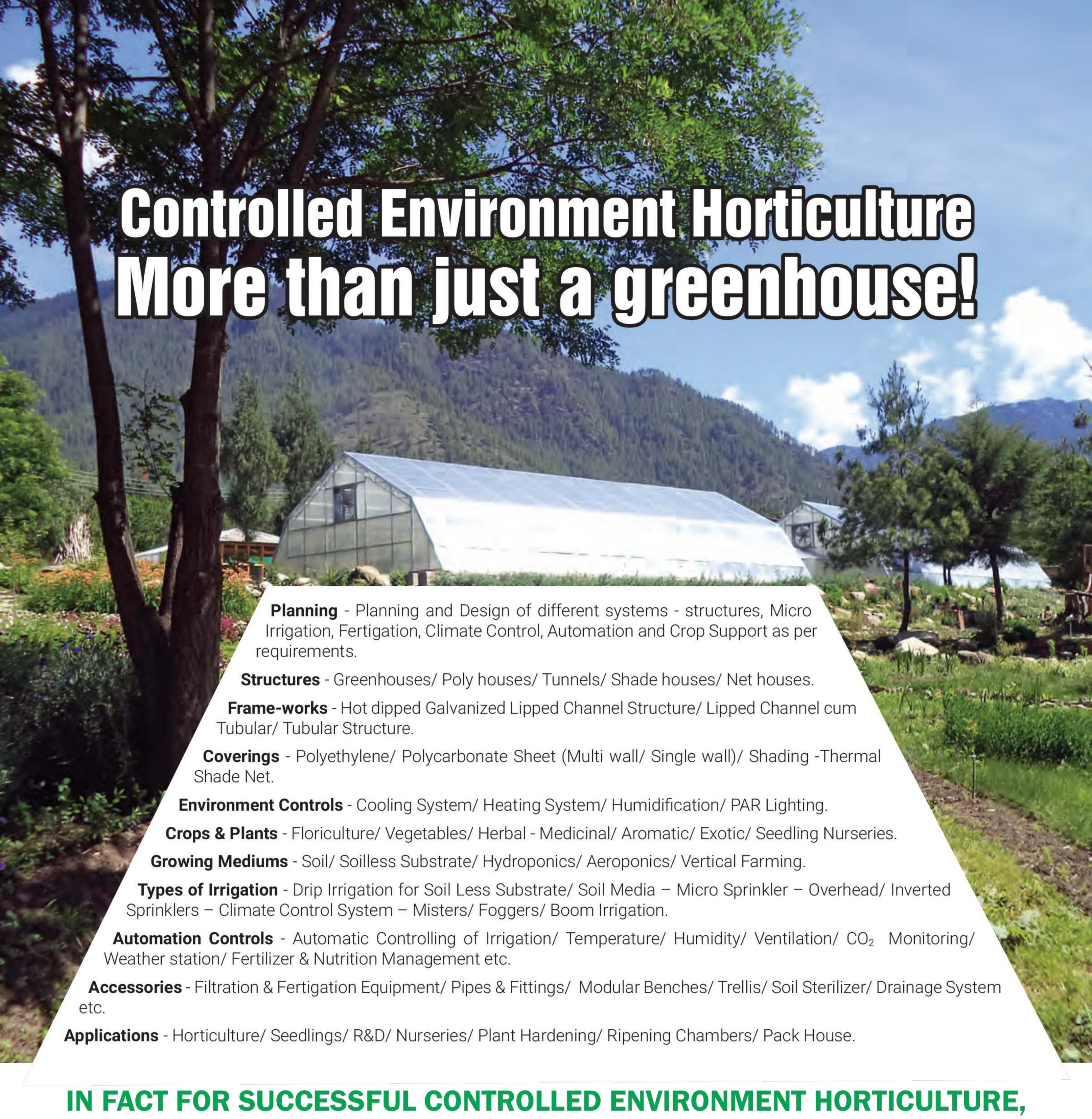
Aeroponics is the process of growing plants in air or mist environment without the use of soil or any other growing medium. Water is used to transmit nutrients.

The basic principle of Aeroponics is to grow plants in suspended root system in protected environment. Water with required nutrients is supplied through mist sprays. Suitable for tubers crops, root crops and leafy vegetables.

Benefits

- Disease and pest free plants.
- Increased supply of oxygen and CO₂ in rhizosphere.
- High plant growth rate.
- High productivity per unit area, water and nutrients.
- Food free of microbial and other contaminants.
- Helps study of root zone.





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