Emesh Farms Technik

The Healthy Planet

Greenhouse Solutions

Fan and Pad Greenhouse

Naturally Ventilated Greenhouse

Shade Net House

www.Emeshfarms.com

sales@emeshfarms.com

+91-9920196329

+91-8655599417

Fan and Pad Greenhouse

Fan and Pad greenhouse is best suited for hot temperature zones or growers who wish to focus on leafy or exotic vegetables. Emesh farm experts use innovative technology and multilayer protection to reduce the temperature to around 12-14 degree Celsius from ambient in dry areas. Our automation controllers offer single control panel to both greenhouse and hydroponics or soil based irrigation.

We use latest innovations and technology in the greenhouse field to benefit our customers at max. typically:

- Option of 6m X 4m span or 8m X 4m span
- Hot dip galvanized tubes with 2mm thickness
- Customized height to give optimum cooling volume to plant volume ratio
- Stainless Steel blades, options of 50 inch or 36 inch exhaust fan size
- 6 inch thick, 2 meter high cooling cellulose pads with Stainless Steel Farmse and water gutters
- Circulating fans with Stainless Steel body for longer life
- Integrated advance Greenhouse controller to control the synchronous operations of Exhaust fans, Pad motors, foggers and circulating fans
- Netafem foggers to drop the temperature in hot summer
- 75% light cutting shadenet with option of Aluminet for heat reduction
- 2o gauge thick GI gutter with uniform half circle shape. Single sheet for the entire length
- 200 Micron poly film with Anti UV, Anti IR, Anti Drip for maximum heat and harmful light resistance
- Option of industrial grade turbo ventilator
- Options of motorized/manual shadenet retraction
- Option of motorized/manual side curtain film rollup

Fan and Pad Greenhouse gives very good temperature reduction esp in dry area. They work on evaporation cooling technique and can reduce normally upto 8-10 degree temperature. with chillers it could go even lower. However it does not work so effectively near the coastal area.

Mechanism like foggers, side curtain, shadenet, ventilation etc do help reducing temperature to some extent if used very efficiently and synchronously using Emesh automation.

Naturally Ventilated Greenhouse

Naturally Ventilated Greenhouse is best suited for mild temperature range areas and plants that can sustain big temperature variations. Examples are Tomatoes, Cucumber, Capsicum, Brinjal, Bitter Guard etc. These Greenhouse or Polyhouses don't offer big temperature variation from the ambient but are cheaper to construct and consume very less electricity.

We use latest innovations and technology in the greenhouse field to benefit our customers at max. typically:

- 8m X 4m span
- Hot dip galvanized tubes with 2mm thickness
- Netafem foggers to drop the temperature in hot summer
- 75% light cutting shadenet with option of Aluminet for heat reduction
- 2o gauge thick GI gutter with uniform half circle shape. Single sheet for the entire length
- 200 Micron poly film with Anti UV, Anti IR, Anti Drip for maximum heat and harmful light resistance
- Option of industrial grade turbo ventilator
- Options of motorized/manual shadenet retraction
- Option of motorized/manual side curtain film rollup

Naturally Ventilated Greenhouse are not as great in reducing temperature as offered by Fan and Pad greenhouses. But as most of the big plants like vine plants or fruity vegetable plants have greater resistance to the high or low temperature, these greenhouse can serve the purpose.

Mechanism like foggers, side curtain, shadenet, ventilation etc do help reducing temperature to some extent if used very efficiently and synchronously using Emesh automation.

Emesh experts have 50+ greenhouse construction experience all over India and we are very proud to keep upgrading our knowledge and skills based on the innovations in this fastly changing field.

Shade Net House

Its the most cost effective protection cultivation setup. Shade Net House gives protection from Insects, cut light and heat and provide an isolation to the crop inside. Mechanism like foggers, side curtain, shadenet, ventilation etc do help reducing temperature when used very efficiently and synchronously using Emesh automation.

We use latest innovations and technology in the greenhouse field to benefit our customers at max. typically:

- Option of 6m X 4m span
- Hot dip galvanized tubes with 2mm thickness
- Customized height to give optimum cooling volume to plant volume ratio
- Temperature and Rh Sensors
- Integrated advance Greenhouse controller to control the synchronous operations of drip irrigation and foggers using temperature sensors
- Netafem foggers to drop the temperature in hot summer
- 50% light cutting shadenet with option of Aluminet for heat reduction
- 2o gauge thick GI gutter with uniform half circle shape. Single sheet for the entire length
- 50% light cutting Shade Net on top and side
- Drip irrigation, venturi setup, Disk filters, butterfly valves, PVC piping and fittings
- Options of motorized/manual shadenet retraction

Its the most cost effective protection cultivation setup. Shade Net House gives protection from Insects, cut light and heat and provide an isolation to the crop inside.

Mechanism like foggers, side curtain, shadenet, ventilation etc do help reducing temperature when used very efficiently and synchronously using Emesh automation.

Emesh experts have 50+ greenhouse and Polyhouse construction experience all over India and we are very proud to keep upgrading our knowledge and skills based on the innovations in this fastly changing field.