aatreyas

CROP PROTECTION FOREVER

Wide range of Net House solutions

Durable, Robust, and Eco-friendly



Wire Rope Flat Roof Shade Net House



Flat Roof Shade Net House
(Pipe Structure)



Dome Shape Shade Net House
(Pipe Structure)



Retractable Flat Roof Shade Net House



Orchards Flat Roof Shade
Net House



"A" Roof Shade Net House
(Anti Rain)



Poly Net House (Anti-Rain)



Poly House
(Naturally Ventilated) (Anti-Rain)



Fan-Pad Poly House
(Forced Ventilated) (Anti-Rain)



Poly Tunnel House
(Single Span) (Anti-Rain)



Poly Tunnel House
(Multi Span) (Anti-Rain)



Shade Net House with
Trellising System for Dragon Fruit
(High Density Plantation)



"A" Roof Shade Net House
(Anti-Hail) with Trellising Systemfor
Apple (High Density Plantation)



"A" Roof Shade Net House
(Anti-Rain) for Grape & Cherry



Agronomy Services

Wire Rope Flat Roof Shade Net House

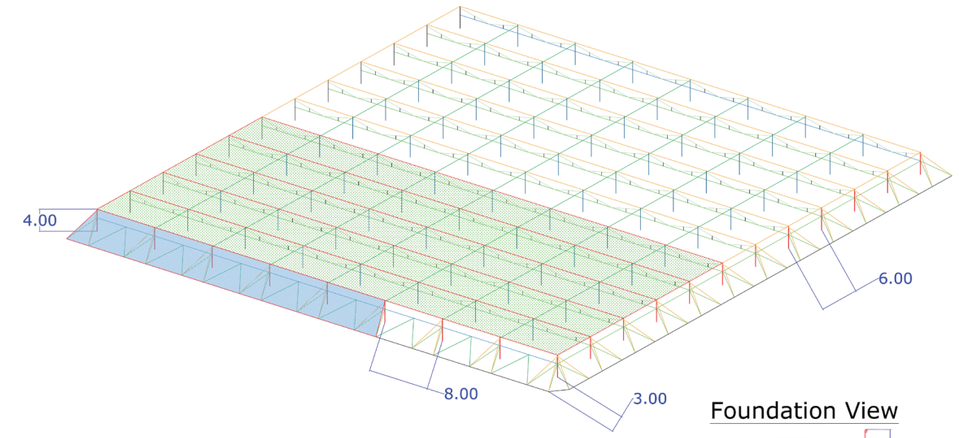
Skeletal structure is framed with GI Wire Ropes and Pipes.

Most suitable for better production at Summer and in Hot & Dry conditions.

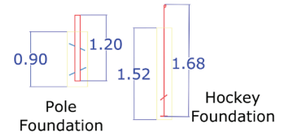
Covering is UV stabilized and provides absolute control against environmental factors.

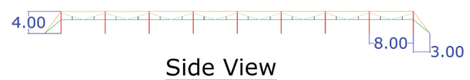
Suitable for production of Vegetables, Fruits, Raising & Hardening the Nursery/Tissue plants etc.





Foundation View





Side View

Features & Specifications





- Span x Bay (meter) – 8 x 5, 8 x 6
- Height (meter) – 3, 4, 5
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9, 4.3
- GI Wire Rope/s (Galvanized Iron) (mm) – 3, 4, 5, 6, 8
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible

Flat Roof Shade Net House (Pipe Structure)

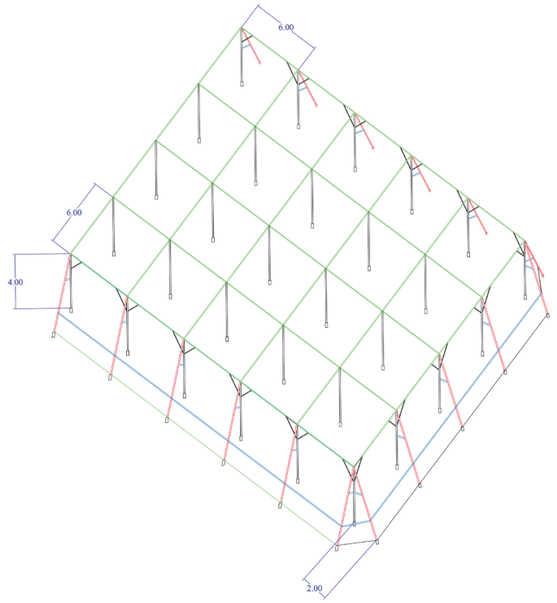


Made entirely with GI Pipes & Accessories.

The structure is pre-fabricated which makes it easy to be assembled and dissembled and allows for addition of extra roof layers.

Self-ventilated and excellent sunlight intensity control.

Supports all manner of regular Fruits and Vegetables.



Features & Specifications





- Span x Bay (meter) – 6 x 4, 6 x 5, 6 x 6
- Height (meter) – 3, 4, 5
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 33, 42, 48, 60
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible



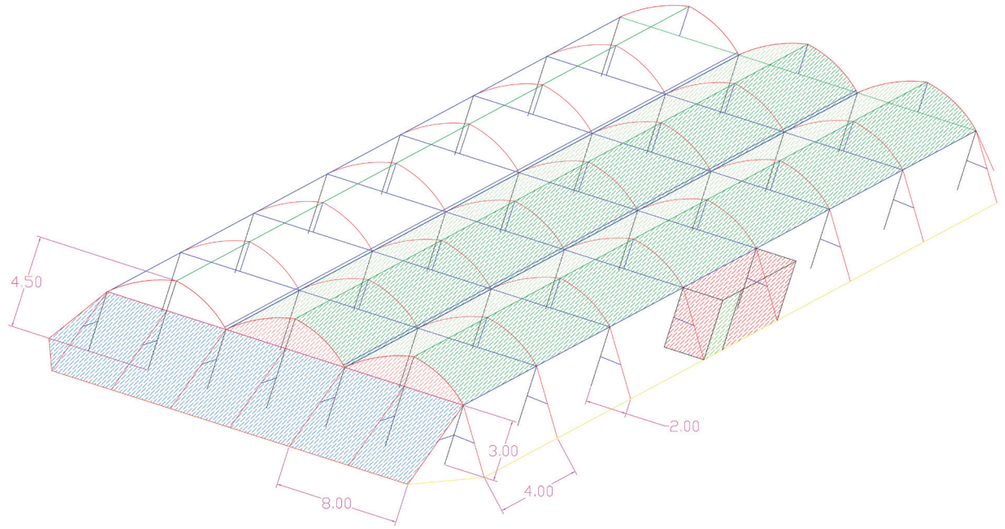
Dome Shape Shade Net House (Pipe Structure)

It is covered with Shade Nets and it has dome roof.

The structure is easy to be installed and maintained.

Protects crops from Wind, Hot Weather, Insects, Pests, Diseases etc.

Suitable for farming of various vegetable as well as plant hardening for crops like Capsicum, Tomato, Banana, Papaya etc.



Features & Specifications





- Span x Bay (meter) – 8 x 4, 9 x 3, 9 x 4, 10 x 3, 10 x 4
- Center (Top) Height (meter) – 4.5, 5.5
- Side (Gutter) Height (meter) – 3, 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible

Retractable Flat Roof Shade Net House



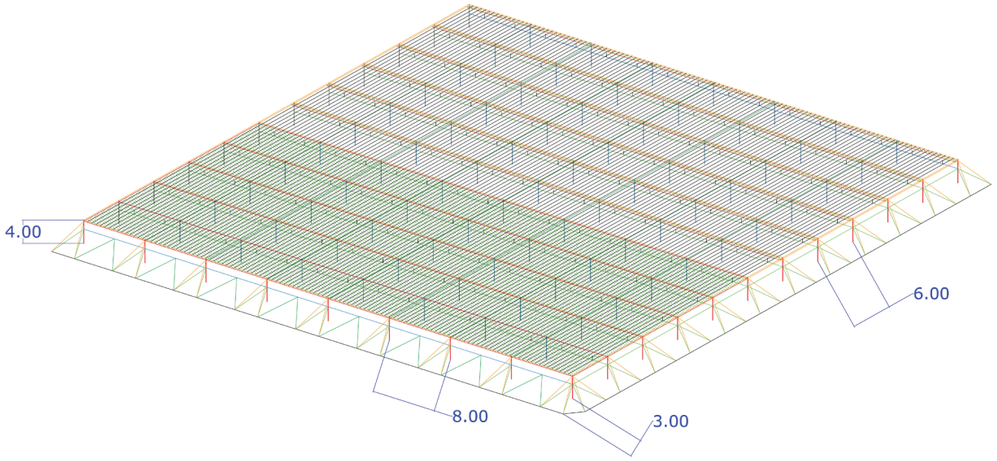
Made from GI Pipes, flexible glazing with supporting cables.

Suitable for protecting fruit orchards for growing light sensitive crops.

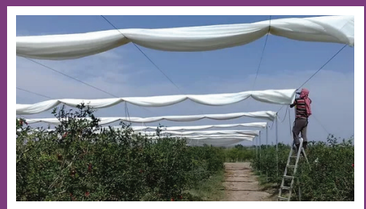
Conveniently regulates sunlight and temperature.

Suitable for protecting crops from sun burning and seasonal problems.

Allows maximum sunlight when needed.



Features & Specifications



- Span x Bay (meter) – 8 x 5, 8 x 6, 10 x 5, 10 x 6, Customized
- Height (meter) – 3, 4, 5
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9
- GI Wire Rope/s (Galvanized Iron) (mm) – 4, 5, 6, 8
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.

  Option 3 – Anti-Bird Net, 70 – 100 GSM, UV Protected, Color: White, Black etc.

  Option 4 – Open
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible

Orchards Flat Roof Shade Net House

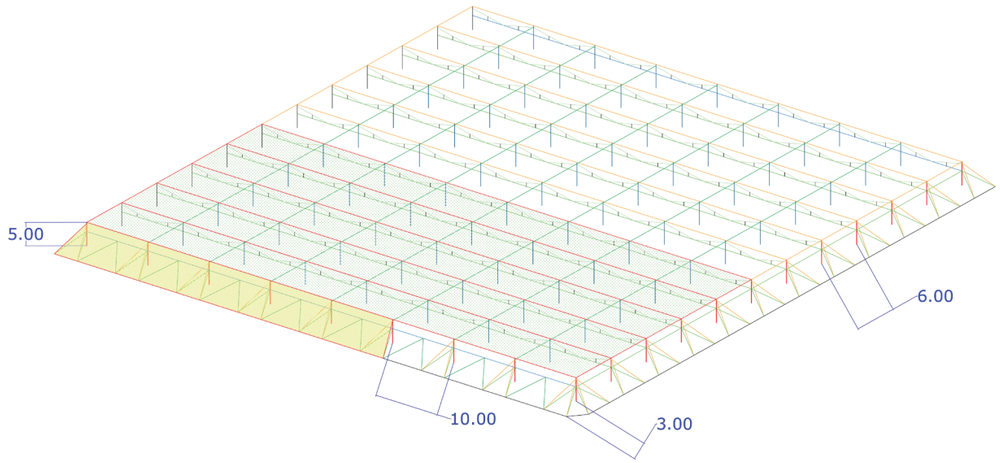
Useful to cover the big orchards of fruits like Orange, Mango etc.

Protects crops from High Temperature, Winter Injuries, Birds etc.

Provide the appropriate shading to the crop for efficient growing.

It is flat roof & can take up to 6 meter in height.





Features & Specifications





- Span x Bay (meter) – 8 x 5, 8 x 6, 10 x 5, 10 x 6, Customized
- Height (meter) – 4, 5, 6
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9
- GI Wire Rope/s (Galvanized Iron) (mm) – 4, 5, 6, 8
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.

  Option 3 – Open
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible



“A” Roof Shade Net House (Anti Rain)

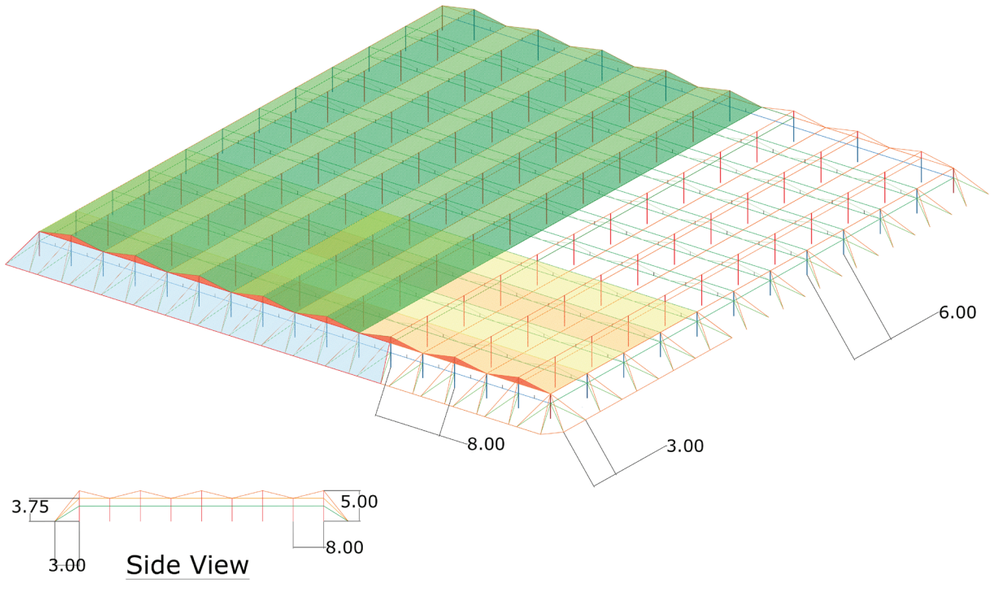
This structure is Anti-rain and suitable for regions with high rainfall amounts.

Protects from rain fall, frosts etc.

This kind of structure is very suitable for crops like Cherry, Cannabis etc.

Places where precipitation amount is high, 'A' roof designs perform better.

The cladding material allows for adequate air circulation for optimum environmental control factors.



Features & Specifications





- Span x Bay (meter) – 8 x 4, 8 x 5, 8 x 6
- Center (Top) Height (meter) – 5, 5.5
- Side (Gutter) Height (meter) – 3.5, 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9
- GI Wire Rope/s (Galvanized Iron) (mm) – 4, 5, 6, 8
- Roof Covering – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible

Poly Net House (Anti-Rain)

Hybrid Structure of Poly House & Shade Net House.

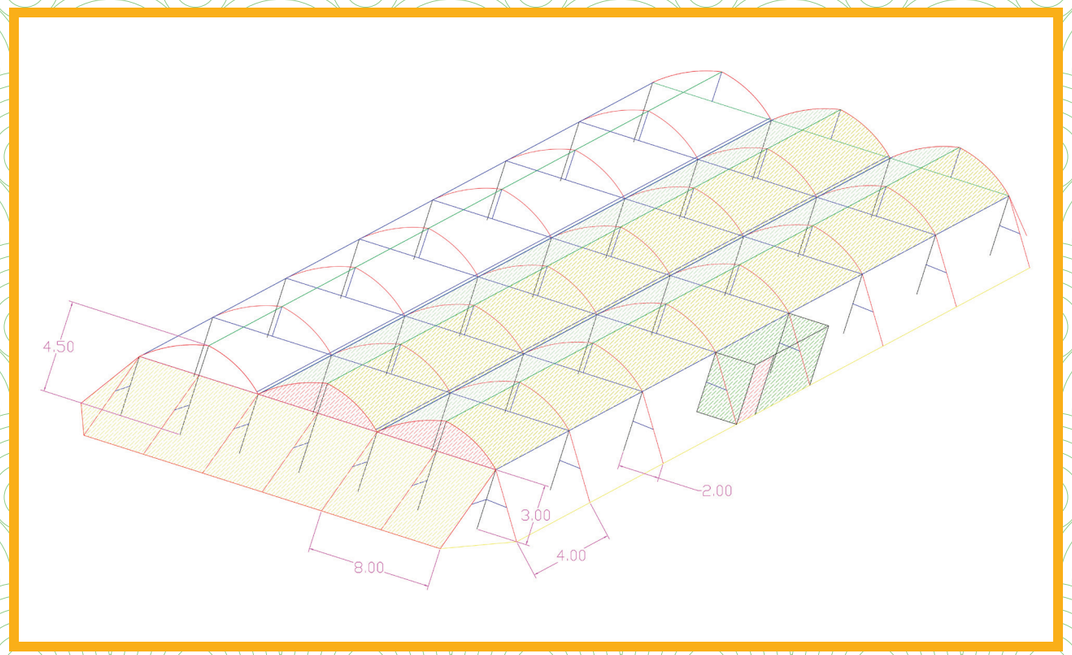
This structure is suitable for protecting crops from rain fall, hails etc.

Create conducive microclimate for vegetables and baby plants.

Naturally ventilated design suitable for Vegetables, Fruits, Flowers like Gerbera, Dutch rose, etc.

It is comparatively lower in cost than the Poly House structures.





Features & Specifications





- Span x Bay (meter) – 6 x 4, 8 x 4, 9 x 3
- Center (Top) Height (meter) – 4.5, 5
- Side (Gutter) Height (meter) – 3, 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- Side Covering –
- Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.
- Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering with – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible
- Rain Water harvesting Possible – Possible



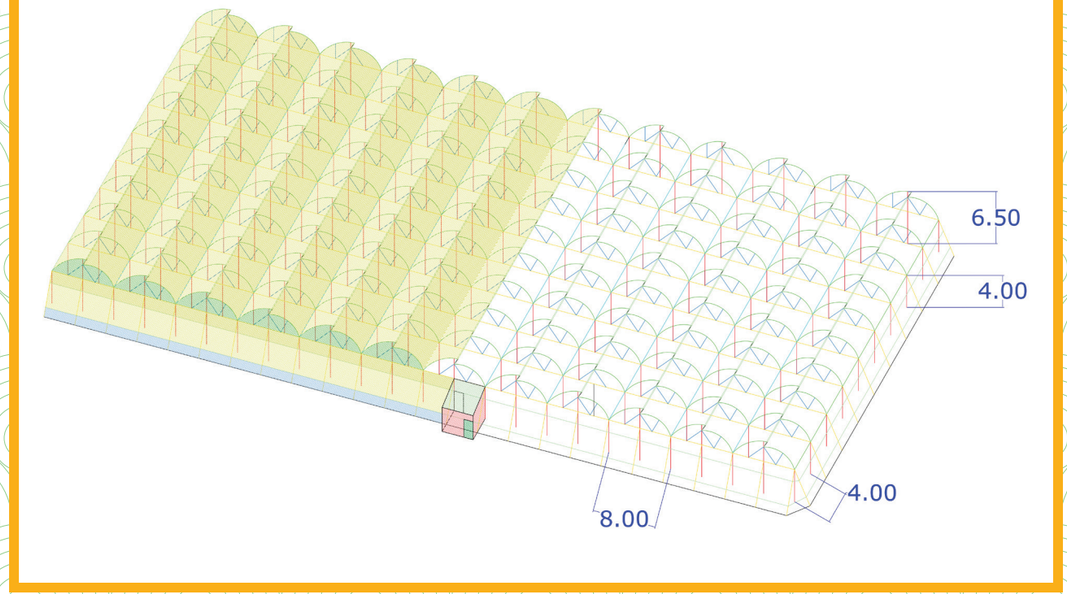
Poly House
(Naturally Ventilated) (Anti-Rain)

Useful for cold & heavy rain fall regions.

This structure is suitable for the cultivation of crops like Gerbera, roses etc.

It provides good microclimate control systems.

It has high wind resistance and crop load bearing capacity.



Features & Specifications





- Span x Bay (meter) – 8 x 4, 9.6 x 4
- Center (Top) Height (meter) – 5.5, 6.5
- Side (Gutter) Height (meter) – 3, 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 28, 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 - 140 GSM, 10 - 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering with – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent, etc.
- Side Curtain – Possible
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible
- Rain Water harvesting Possible – Possible



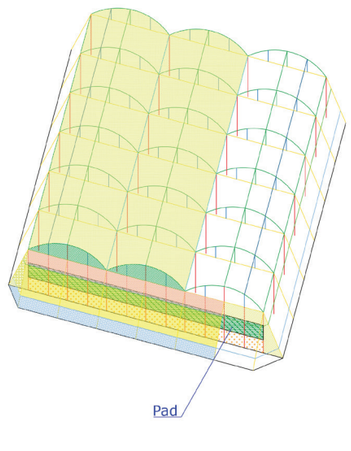
Fan-Pad Poly House (Forced Ventilated) (Anti-Rain)

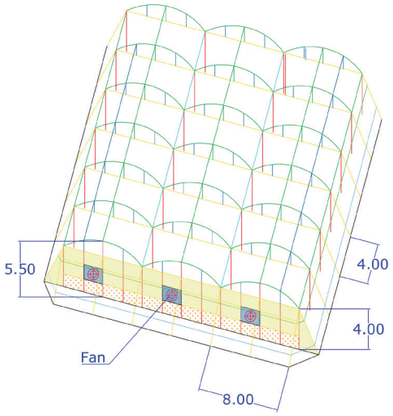
Suitable for Tissue culture lab, cultivation of exotic vegetables & leafy.

Allows for second layer sliding roof for optimum control of temperature, sunlight and humidity.

Fan and pad create suitable conditions.

Strong capacity to withstand harsh weather conditions.





Features & Specifications





- Span x Bay (meter) – 8 x 4
- Center (Top) Height (meter) – 5.5, 6
- Side (Gutter) Height (meter) – 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 28, 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- Side Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- 2nd Layer Roof Covering – Possible
- Trellising Support System – Possible
- Exhaust Fan – Size (mm): 1380 x 1380 x 400, Air Flow (CHM): 44000, Blades Speed (RPM): 400+, Blades Diameter (mm): 1250
- Cooling Pad – Standard Size (mm): 1500 x 600 x 100
- Air-Circulation Fan – Size (mm): 560 x 560 x 380, No. of Blades: 7, Blades Speed (RPM): 1400+, Air Flow (CFM): 16000+
- Rain Water harvesting Possible – Possible

Poly Tunnel House (Single Span) (Anti-Rain)

Suitable for hilly, mountainous, snow & cold climate areas as well as desert places.

Useful to grow low height & leafy vegetables and flowers such as Gerbera, Chrysanthemum and Gladiolous.

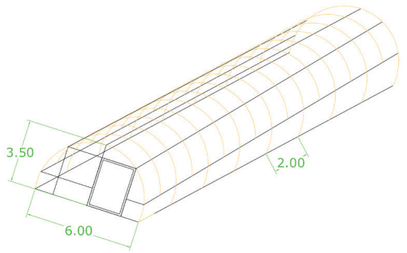
Allows for maximum internal air circulation while maintaining steady temperature and humidity.

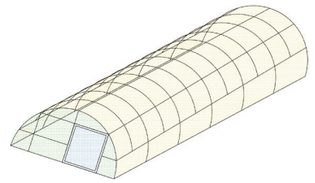
Vertical development is possible with this design with horticultural crops using technologies such as aeroponics and hydroponics.



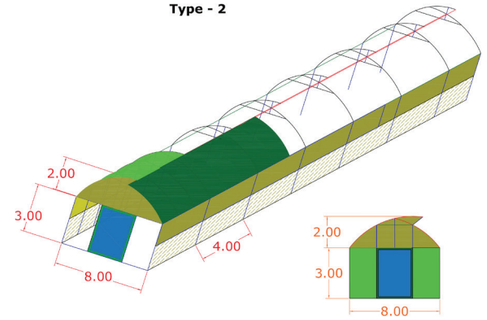
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Type - 1





Type - 2



Outside View

Features & Specifications





- Span x Bay (meter) – 6 x 4, 8 x 3, Customized
- Center (Top) Height (meter) – 4, 4.5, 5
- Side (Gutter) Height (meter) –2, 2.5, 3
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 28, 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.

  Option 3 – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.

  Option 4 – Open Side Covering with – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent etc.
- Side Curtain – Possible
- 2nd Layer Roof Covering – Possible
- Rain Water Harvesting – Possible

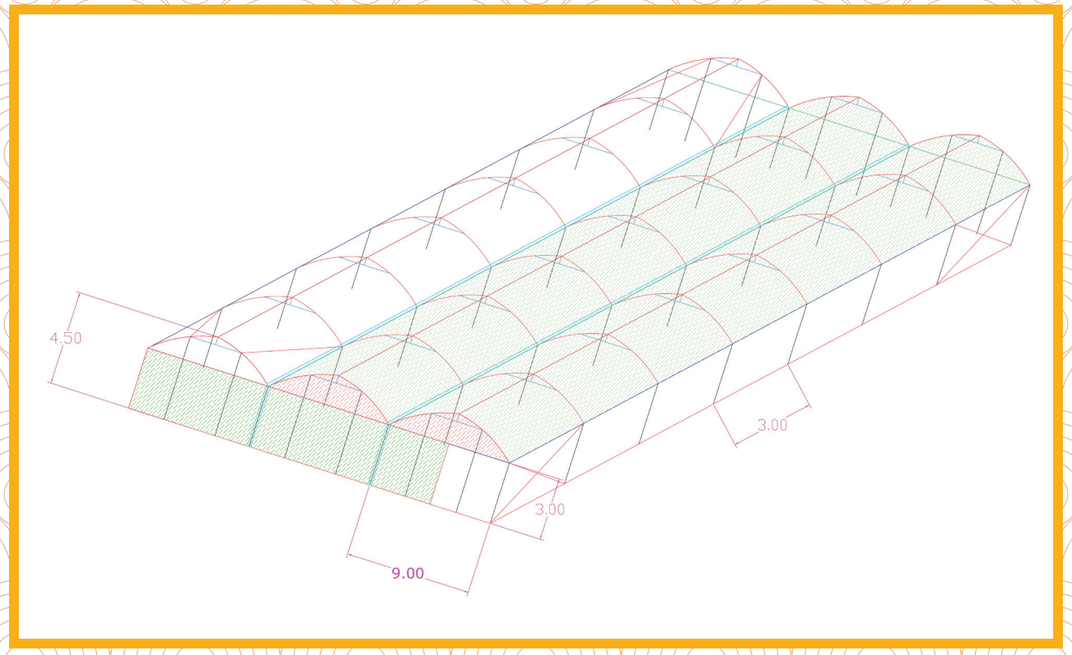
Poly Tunnel House (Multi Span) (Anti-Rain)



This design best protects crops from frost, rain, snow and extreme weather conditions.

The structure allows for vertical development for leafy vegetables, fruits and exotic flowers by incorporating precision farming technology.

For all places with extreme climates, polytunnels are useful.



Features & Specifications





- Span x Bay (meter) – 9 x 2, 9 x 2.5, 9 x 3
- Center (Top) Height (meter) – 4, 4.5, 5
- Side (Gutter) Height (meter) – 2, 2.5, 3
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 28, 33, 42, 48, 60, 76
- Thickness of GI Pipe/s (mm) – 2, 2.9
- Roof Covering – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
- Side Covering –
  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.
  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
  Option 3 – Poly Film Sheet, 200 Micron, Diffused, Anti-Dust, Anti-Drip, IR Cool, UV Protected, Color: White, Blue, Yellow etc.
  Option 4 – Open
- Side Covering with – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Curtain – Possible
- 2nd Layer Roof Covering – Possible
- Rain Water Harvesting – Possible



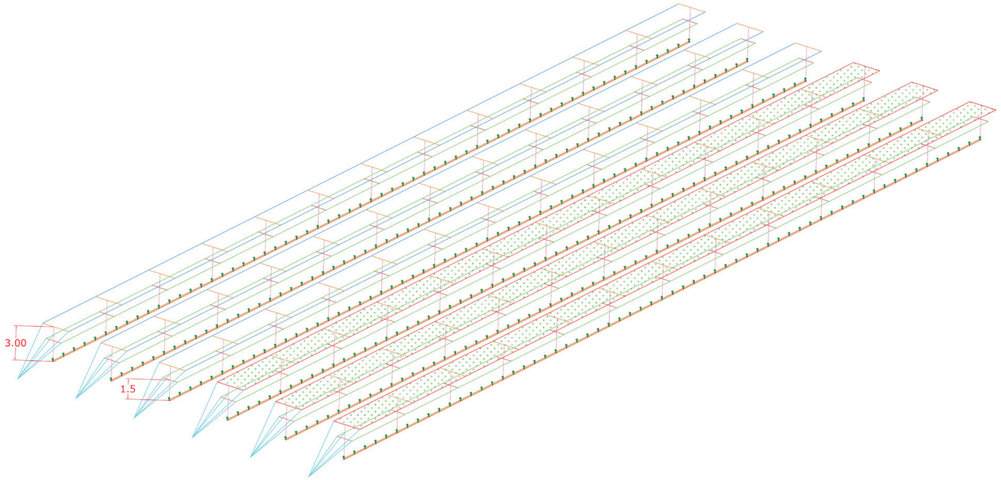
Shade Net House with Trellising System for Dragon Fruit (High Density Plantation)

This modern innovative structure is designed purposely for dragon fruit orchards to provide wide range of shading.

Accommodates higher plant density of about 3 times the conventional method while reducing overcrowding.

Protects the fruits against wind and rain damage and scorchy sunlight.

Structure materials are durable and long-lasting to provide strong support system for heavy crop load.



Features & Specifications





- Span x Bay (meter) – According to the Plantation Pattern
- Height (meter) – 3, 3.5
- GI Pipe (Square) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 1.5” x 1.5”, 4.5” x 4.5”, 1.25” x 1.25”
- Angle (mm) – 50 x 50 x 5
- Thickness of GI Pipe/s (mm) – 4, 5
- GI Wire Rope/s (Galvanized Iron) (mm) – 3, 4, 5, 6
- Roof Covering – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.
- Side Covering – Open
- Trellising Support System – Possible

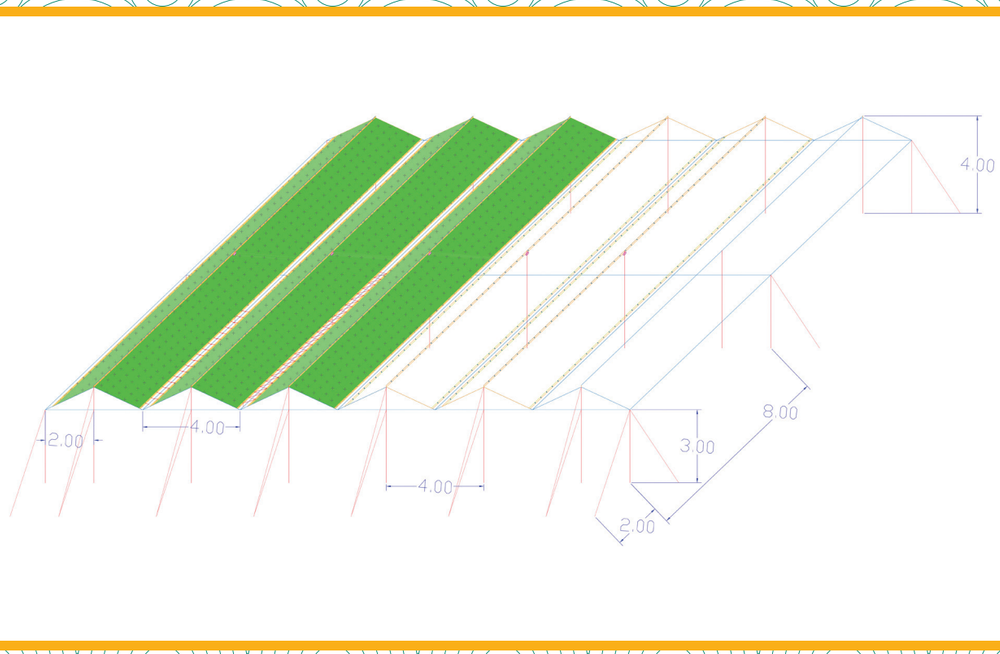
“A” Roof Shade Net House (Anti-Rain) for Grape & Cherry

Custom-designed for maximum protection against rain, frost, snow, wind etc. for grapes and cherry.

Excellent shading capacity allowing for even distribution of light for efficient plant growth and development.

Highly recommended for places with frequent rainfall and many sunshine days per annum.





Features & Specifications





- Span x Bay (meter) – 8 x 4, 10 x 4
- Center (Top) Height (meter) – 4, 5
- Side (Gutter) Height (meter) – 3, 4
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9
- GI Wire Rope/s (Galvanized Iron) (mm) – 4, 5, 6, 8
- Roof Covering – Skirting Fabric Laminated, 140 – 160 GSM, UV Protected, Color: White, Transparent etc.
- Side Covering –

  Option 1 – Insect Net, 40 / 50 Mesh, 110 – 125 GSM, UV Protected, Color: White, Transparent, Green etc.

  Option 2 – Shade Net (Mono x Mono), 70 – 140 GSM, 10 – 75% Shading, UV Protected, Color: White, Transparent, White x Black, Green etc.

  Option 3 – Open
- Trellising Support System – Possible

“A” Roof Shade Net House (Anti-Hail) with Trellising System for Apple (High Density Plantation)

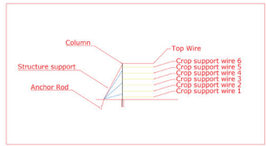
This structure is specially designed for hail-prone apple orchard regions.

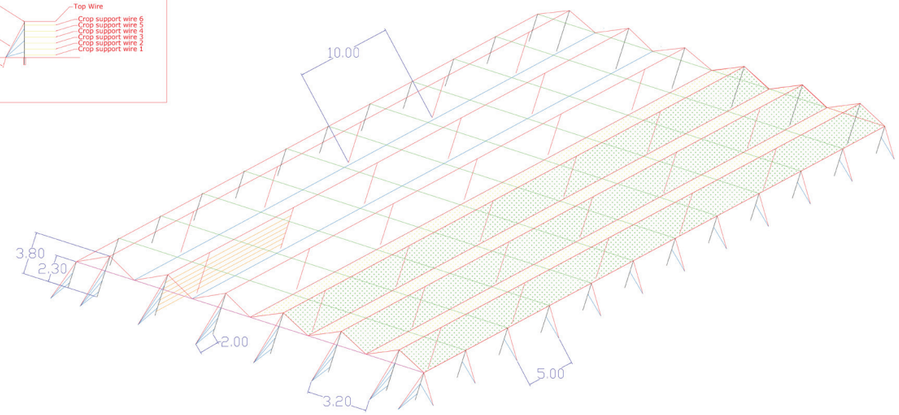
Very ideal for high density apple cultivation by potting.

Robust structure that bears heavy crop load under durable and long-lasting materials.

Allows for precision agriculture technology.







Features & Specifications





- Span x Bay (meter) – 10 x 3.25
- Center (Top) Height (meter) – 4, 4.5
- Side (Gutter) Height (meter) – 2.5, 3
- GI Pipe (Round) Column/s (Hot Dip Galvanized Iron) (OD in mm) – 48, 60, 76, 90
- Thickness of GI Pipe/s (mm) – 2, 2.9
- GI Wire Rope/s (Galvanized Iron) (mm) – 4, 5, 6, 8
- Roof Covering – Anti-Hail Net (Mono x Mono), 70 –100 GSM, 10 – 15% Shading, UV Protected, Color: White, Transparent etc.
- Side Covering –

  Option 1 – Anti-Hail Net (Mono x Mono), 70 – 100 GSM, 10 – 15% Shading, UV Protected, Color: White, Transparent etc.

  Option 2 – Anti-Bird Net, 70 – 100 GSM, UV Protected, Color: White, Black etc.

  Option 3 – Open
- Trellising Support System – Possible

Agronomic Services

We believe the success of every project is linked to in-depth knowledge of integrated, holistic perspective and data backed decision-making ability into crop-soil-environment dynamics.

We strive to achieve value at all levels of the crop production chain.

We provide end-to-end technical crop management services making sure crops thrive regardless of the location.

Our experts have up-to-date system knowledge of Nursery Management, Planting Patterns, Integrated Pest Management (IPM), Plant nutrition, Soil Fertility, Crop Physiology, Post-harvest Technology and Market Linkage.

Our experts have up-to-date system knowledge of nursery management, planting patterns, IPM, plant nutrition, soil fertility, crop physiology, postharvest technology and market linkage.











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