

## Dome Shape Net House

Agrifirst Dome Shape Net House — hail-proof, pest-protected curved structure for vegetables, flowers & fruits. Affordable nethouse with optimal ventilation for Indian farming.



### Design

Curved dome shape ensures better airflow and wind resistance for year-round stability

### 5x Strength

High-quality galvanized pipes ensure durability, strength, and corrosion protection

### 3x Benefit

Low-maintenance eco-friendly design perfect for sustainable farming operations

#### ABOUT

### Dome-Shaped Nethouse for Hail & Pest Protection with Optimal Air Circulation

Agrifirst Dome Shape Net House combines the structural strength of a curved dome profile with 360° pest protection and natural ventilation. Ideal for vegetable, flower, and fruit cultivation, this structure provides hail resistance, UV protection, and superior airflow — making it perfect for Indian farmers seeking affordable, effective crop protection without the cost of a full polyhouse.

#### DESCRIPTION

**Agrifirst Dome Shape Net House** is an advanced crop protection structure featuring a curved dome profile that provides superior wind resistance, hail protection, and 360° insect netting. The dome design naturally sheds rainwater, withstands high winds, and creates excellent internal air circulation — making it the ideal protected cultivation solution for Indian farmers growing vegetables, flowers, and fruits.

#### Why Choose Dome Shape Net House?

- **Superior Aerodynamics** — Dome profile deflects wind loads naturally, withstanding gusts up to 100 km/h compared to 60–70 km/h for flat-roof designs
- **Complete Pest Protection** — 40/50-mesh insect netting on all sides blocks whitefly, thrips, aphids, and other crop-damaging pests, reducing pesticide use by 60–80%
- **Hail & Rain Protection** — Curved roof design prevents water pooling and hail damage, keeping crops safe during severe weather events
- **Optimal Light & Ventilation** — Shade net cladding provides 35–75% shade factor with excellent cross-ventilation for healthy crop development
- **30–50% Lower Cost** — More affordable than a polyhouse while delivering significant yield improvements through pest and weather protection

#### Technical Specifications

<b>Structure Type</b>	Dome-shaped (curved arch) net house
<b>Center Height</b>	5.0–6.0 meters
<b>Span Width</b>	8.0 / 9.6 meters (multi-span gutter connected)
<b>Frame Material</b>	Hot-dip galvanized (GI) steel tubular pipes
<b>Cladding</b>	UV-stabilized HDPE shade net / insect net (40 or 50 mesh)
<b>Shade Factor</b>	35%, 50%, or 75% (selectable based on crop)
<b>Wind Load</b>	Up to 100 km/h
<b>Foundation</b>	RCC column with anti-corrosion treatment



#### AGRIFIRST - FARMERS FIRST

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<b>Ventilation</b>	Natural 360° cross-ventilation through net cladding
<b>Suitable Crops</b>	Capsicum, tomato, cucumber, papaya, dragon fruit, chrysanthemum, gerbera, pomegranate
<b>Structural Life</b>	10–15 years
<b>Delivery</b>	Turnkey installation by Agrifirst across India

### Government Subsidy

Dome net houses qualify for **50% subsidy** under NHM and state horticulture programs. Agrifirst handles DPR preparation and subsidy documentation.

### ROI & Farmer Earnings

Farmers using Agrifirst dome net houses report **₹5–15 lakhs per acre per year** from vegetables and flowers, with payback in **1–2 seasons** thanks to lower investment and reduced pesticide costs.

### GALLERY

