

Poly Tunnel

Agrifirst Poly Tunnel — affordable semicircular protected structure for 2x yields. Low-cost alternative to polyhouse for seasonal vegetables, nursery & off-season farming in India.



5-layer

UV-stabilized polyfilm for improved crop protection and light diffusion

2x Better

Ventilated tunnels with 4.5m side vents for natural cooling and airflow

5x Faster

Quick-to-install round tunnel with heavy-duty galvanized frames

ABOUT

Low-Cost Protected Cultivation Structure for Small & Medium Farmers

Agrifirst Poly Tunnel offers an affordable entry point into protected cultivation — delivering up to 2x higher yields at a fraction of polyhouse cost. This semicircular tunnel structure is ideal for seasonal crop protection, off-season vegetable production, and nursery operations. With easy installation and low maintenance, it's the smart first step for Indian farmers transitioning to modern agriculture.

DESCRIPTION

Agrifirst Poly Tunnel is a cost-effective protected cultivation structure engineered for small and medium Indian farmers who want the benefits of controlled environment agriculture without the higher investment of a full polyhouse. This semicircular tunnel design provides excellent protection from rain, wind, hail, and excessive sunlight while maintaining optimal growing conditions for vegetables, herbs, nursery seedlings, and seasonal crops.

Why Choose Agrifirst Poly Tunnel?

- **Affordable Protected Cultivation** — Up to 70% lower investment compared to a full polyhouse, making modern farming accessible to small and marginal farmers
- **2x Higher Yields** — Rain protection, reduced pest pressure, and improved microclimate deliver significantly higher yields than open-field farming
- **Off-Season Production** — Grow high-demand vegetables during off-season when market prices are 2–3x higher
- **Quick Installation** — Simple GI pipe arch structure can be erected in 3–5 days without heavy foundations
- **Versatile Applications** — Ideal for nursery raising, vegetable cultivation, hardening of tissue culture plants, and seasonal crop protection
- **Low Maintenance** — Minimal upkeep required — just periodic film replacement and basic frame inspection

Technical Specifications

Structure Type	Semicircular arch tunnel
Height (Center)	3.0–3.5 meters
Width	5.0–8.0 meters
Length	Customizable (30m–100m+)
Frame Material	GI steel tubular pipes — 48mm/42mm diameter
Pipe Spacing	2.0 meters center-to-center
Cladding Material	Ginegar UV-stabilized polyethylene film (100–200 micron)



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Film Life	2–3 years (UV-stabilized)
Ventilation	Side roll-up curtains (manual)
Foundation	Ground-embedded GI pipes or concrete footings
Wind Resistance	Up to 80 km/h
Suitable Crops	Leafy vegetables, tomato, capsicum, cucumber, strawberry, herbs, nursery seedlings
Structural Life	8–10 years (frame)
Delivery & Installation	Turnkey by Agrifirst team across India

Government Subsidy

Agrifirst Poly Tunnels qualify for **50% subsidy** under NHM and various state horticulture schemes. Our team assists with complete documentation and subsidy processing.

ROI & Farmer Earnings

Farmers using Agrifirst Poly Tunnels for off-season vegetable cultivation earn **₹3–8 lakhs per acre per year** — significantly higher than open-field returns. The low investment makes payback possible within **the very first season**.

GALLERY



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