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Thermal Nets

Energy-saving Thermal Nets for greenhouses—retain night heat, cut daytime radiation and diffuse light for uniform crop growth. Available from STIPL Agritech (GreenPro).



Energy-saving climate screens for greenhouses & nurseries

UV-stabilized knitted screens that reduce heat loss at night, lower daytime heat load, and improve light diffusion for uniform growth.

Thermal Nets act as energy-saving climate screens inside greenhouses and net houses. They help retain heat during cool nights, cut radiation load during hot days, and diffuse light for even photosynthesis—supporting healthier plants and lower energy/water usage.

- **Material:** UV-stabilized HDPE/PP knit; optional reflective/opaque strips
- **Functions:** Night heat retention, daytime shading, light diffusion, condensation control
- **Shade factors:** ~20–60% (model-dependent; custom on request)
- **Widths:** Panels up to ~6–12 m; joinable for large spans
- **UV Life:** Long-life stabilization for protected-farming use

Applications

- Internal thermal screens in polyhouses, tunnels and nurseries
- Movable/rolling curtains (day open / night close) for energy saving
- Over benches/propagation to improve microclimate stability

Advantages

- Reduces night heat loss and frost risk
- Lowers daytime canopy temperature and hotspots
- Improves light distribution for uniform growth and color
- Lightweight, strong knit—easy to install and operate

Tip: Use as a retractable screen: close at dusk to retain warmth and open after sunrise for ventilation. Combine with fog/fans for best climate control.

Energy Savings
Retains night heat to reduce greenhouse costs.

Light Diffusion
Enhances crop uniformity with soft light spread.

Durable Design
UV-stabilized nets for long-term climate control.

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