



Fan & Pad Polyhouse

Control temperature, humidity, and crop yield with Agriplast Fan & Pad Polyhouse. Featuring automation, exhaust fans, and cooling pads—perfect for sensitive crops and all-season cultivation.



Climate-Controlled Fan & Pad Polyhouse

Agriplast's Fan & Pad Polyhouse ensures precise climate control using evaporative cooling and automation, boosting yield, conserving water and energy, and protecting your crops from external temperature stress.

Agriplast Fan & Pad Polyhouse is a highly advanced, climate-controlled solution designed to create optimal growing environments for your crops year-round. This structure uses evaporative cooling pads and high-powered exhaust fans to regulate temperature and humidity with precision. The working principle is simple yet effective—exhaust fans mounted on one side of the polyhouse pull hot air out, while wet cellulose cooling pads on the opposite side allow fresh, cooled air to enter. This continuous airflow keeps the internal temperature 8–10°C lower than outside, even during peak summers. Agriplast's Fan & Pad system is embedded with world-class automation and smart controls, enabling precise regulation of temperature, humidity, CO₂, and even lighting. It can also manage fogging, misting, and shading systems, ensuring your crops get just the right environment to thrive. This greenhouse setup is ideal for high-value crops like capsicum, tomatoes, roses, cucumbers, and strawberries that require consistent climate conditions. The structure includes high-galvanized GI pipes, crimped foundations, reinforced wind protection, and energy-efficient motors to ensure long-term durability and performance. The automated climate control systems not only boost yields but also reduce input costs by optimizing fertilizer use and conserving water. Agriplast ensures ease of use and complete support with integrated sensors, control panels, and remote access capabilities, making this polyhouse the top choice for serious growers across India.

10°C cooler

cooler environment using advanced evaporative cooling technology

Smarter

Automated climate sensors optimize energy, water, and fertilizer usage

2x Better

Ideal growing conditions for sensitive crops like roses & strawberries

FEATURES

AGRIPLAST POLYHOUSE FEATURES

Height of structure	6.8 - 7 meters from ground level
Side ventilation	4 meters which provides total ventilation of 48% which is best in its segment.
Top Vent	1.2 meters
Pipe quality and Galvanization	375 to 400 GSM
Nut bolts and Connectors	22-micron zinc ferrous coated. Main connectors are 5 mm coated (Zinc coating).
Foundation	76 mm dia with 2 mm thickness. Crimped foundation which gives more strength.
Gutter thickness	1.6 mm Galvanized gutters with trapezoidal shape.
Polyfilm	Ginegar
Shade net / Insect net	Agriplast North Private Limited

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