



# CATALOG PRODUCTS AND SERVICES



**TURNKEY  
PROJECT**



**EURO  
GREENHOUSE**



**HYDROPONICS  
AND IRRIGATION  
SYSTEMS**



**FAST  
SERVICE**



**TECHNICAL  
ADVISOR**



**COVERS AND  
SHELTERS**



**ENGINEERING  
DEPARTMENT**



**SECURITY  
QUALITY AND  
EXCELLENCE  
IN SERVICE**

[WWW.TROPICALESTUFAS.COM.BR](http://WWW.TROPICALESTUFAS.COM.BR)



# OUR COMPANY

Founded in 1996, we believe and chased the dream started in 1984 by "Agroestufa/Agroflora", from the extinct group C.A.C.

With the acquired experience, through the years, since the first steps from the Brazilian plasticulture, our company arrives nowadays rejuvenated, with strength, knowledge and credibility, highlighting among the best in business.

Project Design, greenhouse and its input manufacturing and installation, executed by a team of workers trained by Tropical.

We feel safe to offer the plasticultural market, especially for the olericulture, a gamma of products and services that search for the clients happiness and satisfaction.

With ambiental and social responsibility, we act in activities relates to the protected culture, attending the national and international market and contributing for Brazil's growth.



**TROPICALESTUFAS**

**☎ 11 4035-7344**

**☎ 11 9 9782-2848**

# **COVERAGE**

## **NATIONAL AND INTERNATIONAL**

**TROPICAL**  
**IS ALWAYS**  
**EXPANDING**  
**ITS COVERAGE!**



### **WE CURRENTLY ATTEND**

- **ALL BRAZILIAN TERRITORY**
- **SOUTH AMERICA**
- **UNITED STATES**
- **AFRICA**



The Turnkey Project encompasses the Complete Tropical Greenhouse Projects, where by choosing our differentiator, the client has the ease of offering us the basic information for the development of the project, and all measures are under our responsibility. We take care of everything from planning to installation for the client, leaving the greenhouse ready and complete for planting.



Discover the latest in agricultural greenhouses, along with the advantage of MORE FOR LESS. The Euro is an exclusive Tropical model designed and developed to optimize work and internal space. Featuring excellent durability, proven resistance, modern galvanizing system in flux zinc and great value for money.



We offer a wide catalog of irrigation and hydroponics replacement parts so you can find everything you need to keep your system running efficiently. With superior quality, our products guarantee the durability and good functioning of your system.



Agile, versatile and custom-made solutions for creating covered spaces with an excellent cost-benefit ratio. Development of projects for warehouses and shelters in general, for vehicle and business covers, and also for covering multi-sports courts.



Perfect for you who are thinking about starting or even expanding your production area. We have a specialized department made up entirely of Technicians and Agronomists ready to assist you in the implementation and feasibility of any project.



Engineering team specialized in greenhouse projects and providing full-time consultancy, thus ensuring safety, solidity and peace of mind to execute the required projects.



A well-equipped team ready for service, entirely made up of assemblers who aim to carry out quick and efficient work in assembly services, or even greenhouse maintenance.



We have highly qualified and trained professionals, offering differentiated service. Our quality control extends from the selection of suppliers to the delivery of our products and services. The satisfaction of our customers is our highest priority.

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# **IDEAL SOLUTION**

**FOR THE MOST DIVERSE SEGMENTS**



**HORTICULTURE**



**FLORICULTURE**



**REFLORESTATION**



**DRYING**



**AQUATIC  
CULTURE**



**RESEARCH**



**CITRICULTURE**



**GARDEN  
CENTERS**



**SHELTERS**

EURO Agricultural Greenhouse, the highest technology structure on the national market. Designed to better optimize the internal space of the structure (allowing a greater number of plants per m<sup>2</sup>), together with the best cost-benefit of the product. Structure available in 2 widths, with 10.00m and 12.80m in free spans, with the possibility of twinning and no length limit. Project also with the possibility of installing our "Moth System", which would be a mobile opening at the top of the arch, aiming for greater ventilation of the environment if necessary.



## DIMENSIONS

(L) WIDTH:

10.00M OR 12.80M

(E) SPACING:

4.00M

(H) HEIGHT:

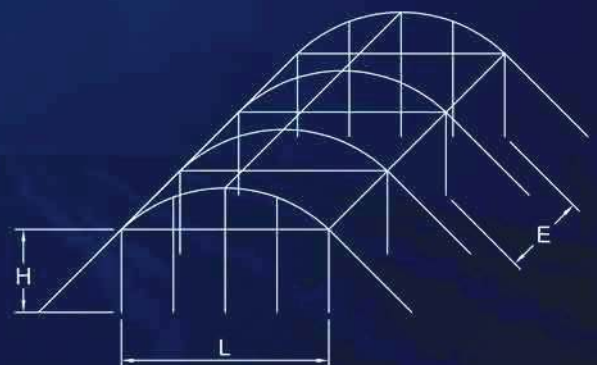
2.20M TO 5.00M

## DIFFERENTIAL

- 01- 100% galvanized material
- 02- Greater resistance to winds
- 03- Optimization of work area, greater space for construction sites
- 04- Structural calculation with ART - Own engineer
- 05- Widths 10.00 and 12.80 with no limits on length

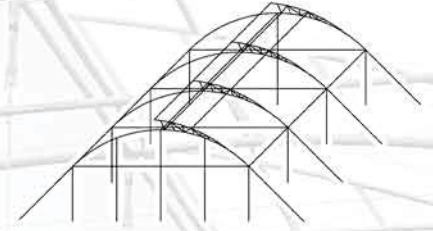
## OPCIONAL

- Moth Opening System
- Plant Tutoring



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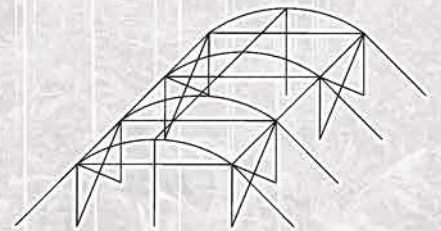
An **EXCLUSIVE** and **PATENTED** project by Tropical Greenhouses, designed and developed to optimize work and internal space. With excellent durability, proven resistance and great value for money!



# PLATINUM

Combining **RESISTANCE** and **COST-BENEFIT**, it is a **UNIQUE** and **EXCLUSIVE** project by Tropical Greenhouses!

- Clear spans of 10.00m
- 3 inch arch



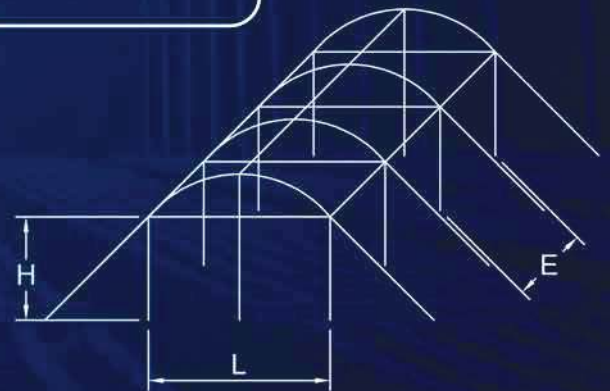
Estufa Agrícola PREMIUM é o modelo ideal para quem busca um projeto seguro, personalizado e de alto padrão para seu cultivo agrícola. Com nossas Estufas Premium conseguimos oferecer o que há de melhor em tecnologia de estufas e material de alta qualidade, visando sempre o melhor benefício do cultivo do cliente.



## DIMENSIONS

- (L) WIDTH:  
10.00M OR 12.80M
- (E) SPACING:  
4.00M
- (H) HEIGHT:  
2.20M TO 5.00M

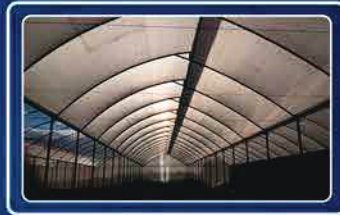
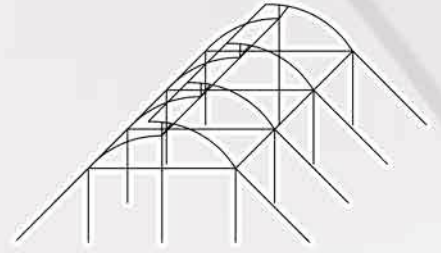
- Multipurpose
- Highly resistant greenhouse
- Various possibilities in "widths"
- Possibility of installing wooden posts



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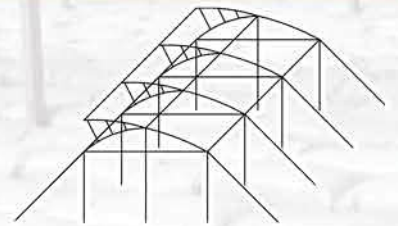
## LANTERNIN ZENITAL

It consists of a 0.50m or 0.80m Zenital opening, specific for crops that require constant air exchange inside the greenhouse, allowing less heat retention inside.

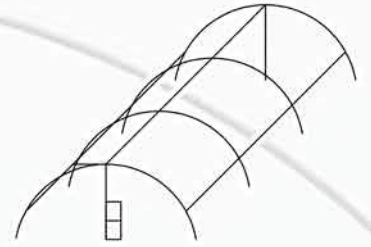


## GREENHOUSE SIERRA

The Sierra model greenhouse offers its 1.50m opening for very hot regions, which need better circulation and air exchange inside the greenhouse.

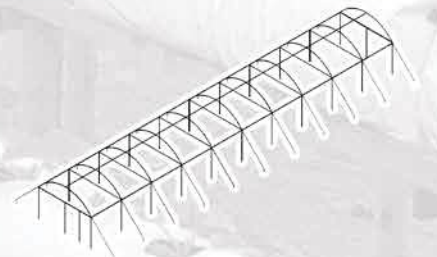


It is an Agricultural Greenhouse model designed and designed especially for you who are looking for a product of reliability, quality, resistance, and also with EXCELLENT VALUE on the market! Greenhouse available in a width of 9.60m and with no length limits.



## GREENHOUSE AGRIFAMILIAR

An agricultural greenhouse model designed for Family Farming, with excellent cost-benefit and the quality that only Tropical can offer! AgriFamiliar is available in a width of 5.20m and a ceiling height of 2.20, with a curtain-style door.



Our SHRIMP FARM Structures are fully designed and prepared especially for aquatic cultivation, in the lines of Frogs, Shrimp Farming, Hatcheries or Frying tanks and fish fattening in general. We continue responsible and conscious development, always aiming to reduce and minimize the risks of this culture.



## DIMENSIONS

(L) WIDTH:

11.00M

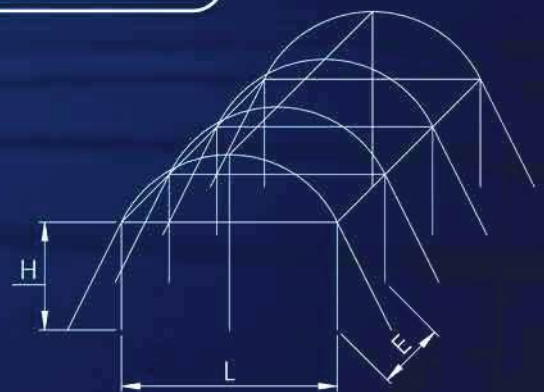
(E) SPACING:

4.00M

(H) HEIGHT:

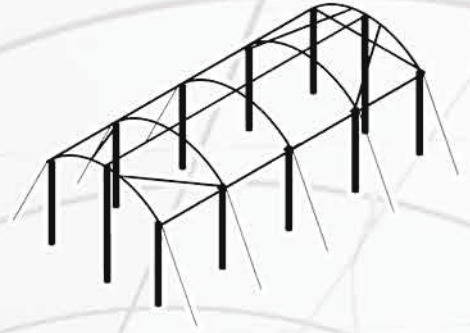
0.5M TO 5.00M

- Structure suitable for hostile environments
- 100% hot-dip galvanized material
- Improved procreation of the species due to temperature of the environment after implementation
- SPECIALLY designed coverage for Aquatic Crops
- Possibility of customizing measurements according to the necessity



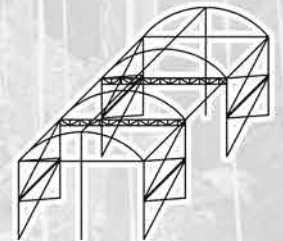
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A project that combines the cost-benefit advantage of wooden posts, together with the quality of Tropical Estufas' metal projects, with a resistant structure designed on demand for your cultivation.

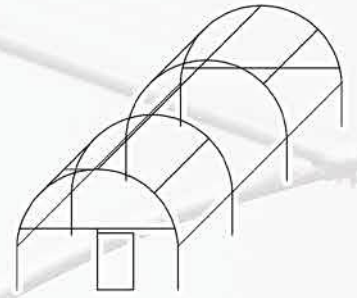


# TROP TULIPA

The TROP TULIPA model from Tropical Estufas has internal trusses, bringing greater resistance to the structure, without the need for side braces, meaning the producer can make the most of the area.



Perfect for protecting the indoor environment. Easy to install product with availability of disassembly and assembly as needed, excellent structural durability, available for any crop and terrain.



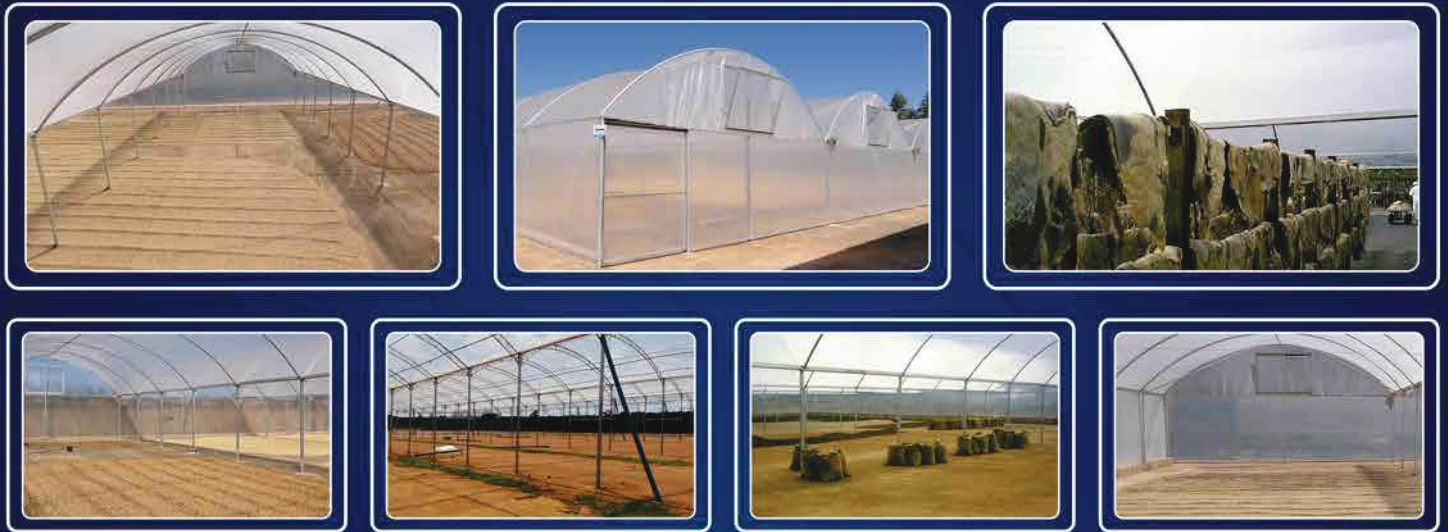
## SCREEN

Tropical Greenhouses's SCREEN models have a fixed structure and cover developed in shading screens, which can be selected from the most varied options of meshes and screen colors, thus enabling an ideal screen coverage according to your type of cultivation.



# GREENHOUSE FOR DRYING

Meeting the demand for solar dryer structures, Tropical develops specific projects for various purposes, ranging from drying agricultural grains and fruits to drying industrial waste, regardless of factors arising from it such as salinity, gases or other agents.



# GREENHOUSE FOR DRYING COCOA

Oven model developed especially for drying cocoa, where the biggest advantage lies in the composition of the oven, designed and developed to carry out drying using the sun and wind, replacing conventional dryers that use firewood and end up smoking the beans, reducing its commercial value.



The NFT hydroponic system provides advantages to the producer such as a reduction in the cultivation cycle compared to the open field, no contamination of the crop with weeds, greater ergonomics, less use of water, greater use of fertilizers, and others.

In the hydroponic cultivation system, plants are kept in greenhouses covered with agricultural film and suspended in HDPE channels through which the nutrient solution constantly bathes the roots runs.



- Own hydroponics designer
- Tailor-made project for your greenhouse
- Hydroponics profiles already spaced



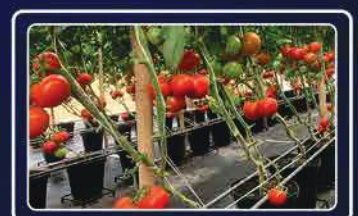
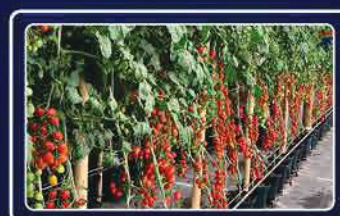
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Irrigation is an ancient technique that aims to provide water to plants so that they can produce properly. The technique has been improved over the centuries, reaching today precision systems where water is dripped at the correct time, place and quantity for the best development of plants.

- **Irrigation bar:** Automated system whose main characteristic is to guarantee the uniformity of application of water and inputs, as it is used in large areas of seedling cultivation where it is essential to guarantee the uniformity of plants destined for field cultivation and thus obtain the your maximum yield. The use of the bar allows the optimization of water resources, inputs and labor, improving the entire production process.



- **Drip (Drip Tube):** System that brings high efficiency in the use of water with drop direction, in addition to the fact that there is no wetting of leaves during irrigation, reducing the risk of foliar diseases. The tube is manufactured with the dripper welded internally and has an internal "labyrinth" to reduce clogging. It can be used buried or under the ground surface.



- **Drip (Stake):** System that shares many of the advantages of the drip tube, its difference is to direct the drip site with greater precision, improving the distribution of the wet bulb, reducing problems related to uneven roots and salinity of the substrate caused by fertigation. Widely used for growing crops in pots and each dripper can have up to 4 outlets using an adapter.



- **Micro Sprinkler:** The system emerged as an alternative to drip systems, with the aim of increasing the area wetted by an emitter, which is desirable for very permeable soils. Widely used in protected cultivation for wetting benches of seedlings in general, flowers and vegetables, in addition to being less susceptible to obstruction and less demanding on water filtration.



- **Nebulization:** System similar to micro sprinkler, but using emitters that operate at high operating pressures, resulting in finer droplets. It is used on germination benches and seedling irrigation, but its use is more recurrent to control temperature and humidity in protected environments.



If the project requires better air circulation systems or greater control of solar rays, we also have the ideal solutions to meet your project. At Tropical Greenhouses we develop windows, shading systems and mobile curtains, all according to the needs of your cultivation and tailored to your project.

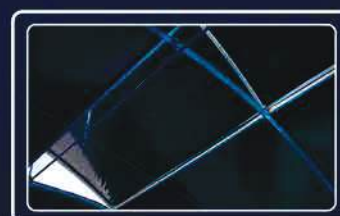
- **PadFan:** The evaporative air cooling system, panel-exhaust type (pad-fan), is based on an adiabatic humidification process that consists of forcing, through exhaust fans, the passage of air outside the installation through a panel of porous material moistened with water.



- **Shading:** The internal shading systems of agricultural greenhouses aim to achieve an ideal climate for crops, helping to create an ideal microclimate for the most diverse crops. Systems developed tailor-made for your greenhouse and cultivation!



- **Windows:** The function of windows is to assist in the exchange of internal air in the greenhouse, reducing the temperature and improving air quality due to exchanges. Windows can be operated manually or motorized.



If your project requires specific measurements or another exclusive feature, we can also accommodate you. With a highly qualified internal engineering team, we ensure and guarantee the execution of your project.



- Tailor-made customizations
- Structures with up to 25m in free spans
- Project developed by our own engineers and with ART



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Covers and various shelters for vehicles, machines, equipment, fruit sorting areas, rest areas, fixed and temporary shelters, feeders, and much more. Request a no-obligation quote now and discover the solutions we have to serve you!



- Extremely resistant
- Easy installation
- Great value for money



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Do you like gardening as a hobby or do you need a smaller project? Then discover our mini greenhouse models with pre-defined sizes! We have a wide variety of models, each with a specific difference. Greenhouses 100% metal and hot-dip galvanized.



- Easy installation
- Compact size
- Projects with or without integrated irrigation

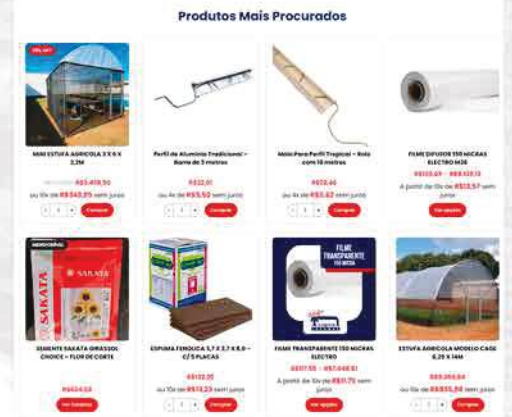
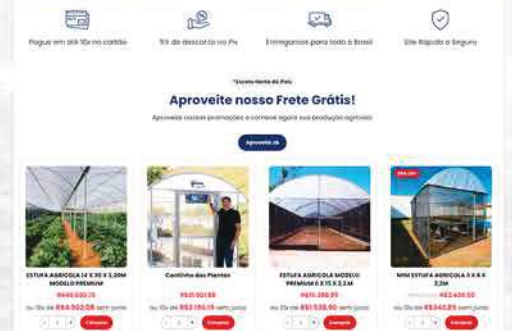


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# OUR VIRTUAL STORE

## THE BIGGEST PORTAL OF PLASTICULTURE AND INPUTS FROM BRAZIL!

- AGRICULTURAL FILMS
  - AGRICULTURAL SCREENS
  - GREENHOUSES
  - SPRINGS
  - PROFILES
  - ACCESSORIES
- AND  
MUCH  
MORE!**



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**TERESÓPOLIS | RJ | BRAZIL**

 **55 11 4035-7344**

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