

Shade Houses

Research for Pop's Garden

Specifications

Roof

It can be flat, gabled, or rounded.

Shade Cloth

Green is most preferred among gardeners/growers. Black allows more light but traps heat which can stunt growth. White is cooler. A striped "reflective" fabric of thinly striped black and white is also an option. Other colors are also sometimes available.

Shade Percentage of Shade Cloth

Overall, 50% is probably the most versatile shading percentage and most commonly used for gardeners.

Vegetables grow best in 30 – 50%

Plants tend to prefer 40-60%

For orchids or ferns, 75% or higher is recommended

Size

The entire space in Pop's Garden where the shade house is to be located is 21' x 32', wall to wall.

To leave approximately 3 feet on each side, the structure needs to be about 15' x 26'.

Several standardized sizes are available. They tend to be 8' to 10' wide and 20' to 24' deep.

Floor

An earthen floor is probably coolest. Whatever is chosen, it will need to drain well.

Openings and Doors

Having it enclosed helps with parasites and grazers.

Gaps or openings are helpful for air flow, however.

A double opening is wise if growing larger items (such as a banana tree, for example).

Shade Houses

Research for Pop's Garden

Positioning

North to South positioning will provide the most even sun exposure.

Frame

Aluminum, Steel, and Galvanized Steel seem to be standard. Wood is also an option but requires more maintenance.

A protective paint on steel every three to four years will increase longevity.

One expert recommended at least 16 gauge for the frame.

Posts can be set into the ground or set in cement.

Pricing

Company	W X L	Ht	Color	%	Walls?	Door?	Frame	Price
Growerssupply	14' X 24'	8' - Round	Black	50%	Yes	End Cloth Panel \$99	17ga - Steel	\$1,025
Farmtek	10' X 20'	10' Gable	Black	50%	Side Panels \$145 Ea	Can probably adapt additional side panels	17 ga – Triple-Galvanized structural steel (USA)	\$535
Greenhouse Megastore	8 x 20	Unspec. Gable	Black	50%	Side Panels could probably be customized	Can probably be customized	Unspec	\$269
C-Mac	12 x 24	Gable, flat, or lean-to	Green	50%	Yes	1 Swing (both ways) Door	25.4 x 1.6mm galvanized tube	AU \$4680
WinterGardenz	10 x 24	9' Gable	Any	Screen	Yes	2 Sliding Doors	Powder Coated Aluminum	NZ \$9495

Shade Houses

Research for Pop's Garden

Growersupply

https://www.growersupply.com/farm/supplies/prod1;gs_shade_houses_shade_cloth-gs_sunblocker_commercial_shadehouse;d3d9b36d_1820SPC50.html



Farmtek

https://www.farmtek.com/farm/supplies/prod1;ft_cooling_vent_heating-ft_shade_cloth_material-ft_sunblocker_backyard_shadehouse;3a7b6fc4_1020SPC50.html



Shade Houses

Research for Pop's Garden

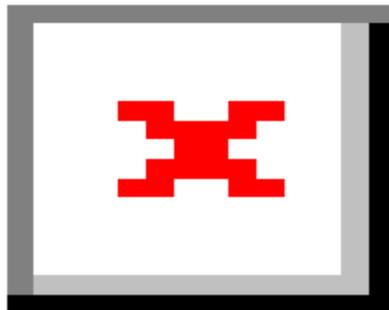
Greenhouse Megastore

<https://www.greenhousemegastore.com/structures/shade-houses/shelterlogic-shade-structure?returnurl=%2fstructures%2fshade-houses%2f>



C-Mac

<https://www.cmac.com.au/nursery-equipment/shade-houses>



Shade Houses

Research for Pop's Garden

Wintergardenz

<https://www.wintergardenz.co.nz/store/p79/10x24shadehouse.html>



Shade Houses

Research for Pop's Garden

Videos and links about Shade Houses:

<https://www.youtube.com/watch?v=wnwRBFci70M>

This is an informative video about shade house structures.

<https://www.greenhousemegastore.com/solaro-exterior-reflective-shade>

Some say this (above) helps reduce heat while allowing photosynthesis. Black fabric increases heat by up to 30% which can stress and consequently slow plant growth despite light exposure. Green fabric is most commonly used and is cooler than black.



30% Shade

<http://leafwoodrock.com.au/2017/12/choosing-the-best-shade-cloth-for-your-garden/>

This (above) provides a little more information on different colors of shade cloth and their benefits

<https://www.gothicarchgreenhouses.com/Shadehouses.htm>

Can custom order. We have provided specs. Awaiting quote.