

# How to Design and Plan Your Dream Greenhouse Or Shed

A greenhouse is a fantastic way to grow your plants and vegetables. It provides the right conditions for photosynthesis, the process whereby plants use sunlight to make food in their leaves.

[Greenhouses](#) are great for growing plants in the winter and can be used for many different types of horticulture. However, it is essential to remember that the plastic or glass that makes up most of a greenhouse can trap too much heat during the day.

## Size

Greenhouses or [sheds](#) are great ways to claim a unique space on your property. It could be a place to work out, enjoy the peace or even serve as an office.

Regardless of its use, you want to ensure it's the right size for your needs. This means considering the space you need to grow and cultivate your plants and room for storage or furniture.

Generally, a greenhouse should be at least 6ft wide to allow enough room for the plants and staging on both sides; 8ft is better. A longer greenhouse will also provide more window space for solar gain, which is essential to getting your plants the perfect environment.

## Lighting

Whether you're designing a greenhouse or shed for your backyard, you must have a few essential lighting fixtures and accessories. The proper lighting can make gardening more accessible, reduce energy consumption and help you harvest the

best fruits and vegetables.

Consider the light you need when choosing your greenhouse or shed lighting fixtures. Knowing the lux or lumens required is an essential first step, and then you can calculate how many bulbs are needed to illuminate your space.

LEDs are a popular choice for greenhouse lighting, as they offer bright and efficient solutions that a simple switch can control. However, they can produce deep shadows, which can be a distraction when working in close quarters. Use LEDs with directional light to minimize this effect.

## **Plants**

Whether you plan to grow fruits and vegetables or add a touch of elegance to your home, the right plants make all the difference. You'll also need greenhouse accessories like doors and vents to help control the temperature inside and make the growing process more efficient.

A greenhouse is a workplace, so benches and shelves are necessary. They allow you to keep tools and small equipment within easy reach without cluttering the space.

For added convenience, you can install a watering system. This programmable irrigation system helps you save time and water by delivering the exact amount of water your plants need when they need it.

## **Furniture**

A well-designed greenhouse or shed can enhance your gardening experience in several ways. It can help protect delicate plants from the elements and keep your favorite fruit and vegetables alive and healthy.

To be effective, it needs to have a robust and sturdy

structure, which requires solid framing. Its framing material might be a wood, metal pipe, or plastic piping.

You also need to choose a roof covering for your greenhouse or shed, especially if you live in an area with frequent snowfall. The best roofing material will have a low [thermal conductivity](#), a high light-transmitting factor, and is aesthetically pleasing. Other factors to consider include roof slope, freeboard, and gutters. Lastly, consider ventilation options like hinged roof vents and side vents.

## Accessories

Accessories are a great way to complete the design and plan of your dream greenhouse or shed. These accessories can be anything from plant tables and potting benches to shade cloths for the roof.

One of the most prevalent greenhouse accessories is a plant table optimized for airflow. It's a convenient gardening tool and can store plants you're not growing.

Another popular greenhouse accessory is a potting bench built for convenience and storage. It's a perfect solution for any gardener who loves to grow food.