

# How To DIY A Greenhouse: 9 Projects For Your Homestead

Today's article is as green as it gets, because it's about DIY-ing greenhouses. How do you build a greenhouse, you ask? The easy answer is: you build a house and you paint it green.

Ok, I am kidding, but today's article is about the basics of DIY-ing your own-personal greenhouse, the types you can build, tips and tricks, and what to beware of. You know, the whole 9 yards in DIY for the self-conscious prepper.

The first question to answer is: why do you need a greenhouse?

Well, maybe because gardening is a very rewarding hobby, especially when it comes to building your survival garden for when SHTF. And, it's also a very relaxing one (hobby, that is), combining something very useful with lots of fun in the process.

So, if you're that kind of prepper who tries to be as independent as humanly possible, today's article will fit you like a glove.

If you seek to get off the grid, a greenhouse will definitely help you in your endeavor. I mean, growing your own food is more than rewarding; it's the definition of survival. And growing your own food in a greenhouse means that even cold weather is not a problem.

Plant life and veggies are particularly sensitive when it comes to harsh weather, but a greenhouse is very effective in mitigating that problem. Moreover, when it comes to a do-it-yourself job, a greenhouse is the perfect solution, both in terms of complexity and costs.

So, let's talk a little bit about greenhouses, or, better, about how to DIY them. There's an inside joke about this type

of projects: a DIY project will cost you twice as much, it will look half as good and it will take twice as long as you initially anticipated. The time part may be right, but if you follow the directions well, the cost and appearance parts are rubbish! Well, it will cost you a bit, but not nearly as much as if you paid somebody to come and build you one.

Hence, brace yourself, because DIY-ing a greenhouse is not exactly a child's play, but the end result will be awesome.

When it comes to building stuff, first you must define the terms: what's a greenhouse after all?

Simply put, a greenhouse is a type of structure which creates an ideal micro-climate for plant life to grow and develop, so it can be used to start plants such as veggies or to grow them from seed to...well, the end.

The first thing to contemplate is the [location of your desired greenhouse](#). For optimum results, you must choose a south-facing area which will provide your greenhouse with good, consistent sunlight. Remember that all structures around must be to the north of your greenhouse.

You should opt for locations which offer morning light vs afternoon sun; however, ideally speaking, an all-day-long sun would be the best, as it will lead to better yields and it will speed up the growth of the plants.

Also, pay attention to nearby structures (like your house), trees and bushes and make sure they do not cast a shadow on your greenhouse. It would be wise to choose a spot that has easy access to electricity, as most greenhouses require some ventilation and sometimes additional heat for maintaining an optimal temperature inside, especially in very harsh climates.

Look for a well-drained area and remember that you must siphon away excess rain water, but the best thing would be to design your greenhouse foundation in such way as it would encourage

drainage naturally.

With the location issues taken care of, let's move on with our DIY journey.

Let's begin with the basics: what type of greenhouse should you build?

It all depends upon several factors, including the geographical area you live in terrain, humidity, climate, and temperature. All these issues must be addressed. For example, if you're living in a county with million-mile-per-hour winds, especially in the winter and in the spring, well, that means you'll have to use a sturdy design in order for your greenhouse project to last and withstand those pesky winds.

Check out this self-explanatory video for further info about what type of greenhouse to build.

*Video first seen on [Bigelow Brook Farm \(Web4Deb\)](#)*

Another issue is the budget: how much money do you intend to spend on your DIY project? And here are a couple more questions: how big do you want your greenhouse to be? What do you want to grow inside your greenhouse? All these elements come into play and you must figure them out before you start building a greenhouse.

Note that any garden lacking a greenhouse is in fact incomplete, as a well-built and well-designed greenhouse will help you with planting fall and winter crops, thus extending the growing season by almost 100%, not to mention that you can grow produce all year long right in your backyard.

Now, let's take a look at a few budget-friendly greenhouse building plans. None of these are really expensive and all are fairly easy to build with simple tools and moderate skills.

## **1. The Barn Greenhouse**

If you're not exactly a master DIY-er, you should start with a smaller project; something like a mini greenhouse. In this case, the barn greenhouse would suit you perfectly. The wall framing can be cut from wood-boards if you have them available on your property. If not, you can simply buy them from a hardware store for just a few bucks.

The side paneling can be built from roofing tin and you can trim the corners of the panels by metal flashing. This model of greenhouse is covered with corrugated roofing. For the detailed plans just follow the link in the photo source.



Photo source: [Ana White](#)

## 2. Lumber Frame Greenhouse

As the title says, the lumber frame greenhouse is basically an eight foot tall structure that's very light and easy to incorporate into your garden. The frame is nailed together and

you can fix it with stakes.

It's built using a lumber frame for the skeleton, window frames for proper ventilation and a door. All the materials can be recycled from old stuff laying around your property or picked up from junk sales. For detailed plans, just go to the link from the photo source.

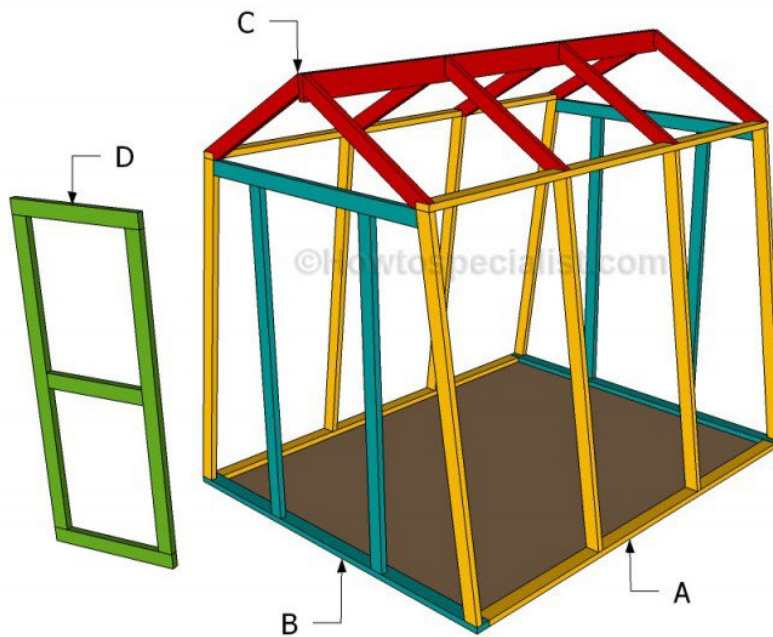


Photo source: [How To Specialist](#)

### 3. The Hoop Style Greenhouse

This project requires wood for the foundation and PCV pipes and rebar for the structure; the amount of material depends upon the desired area you want to cover. The hoop stand is made using rebar and then the PVC pipes are fixed on the hoop stands.

After the wood/PCV structure is built, you can cover it with plastic sheeting and attach the cover to the skeleton using a lathe. In the end, you can add a simple wood frame and a door to your greenhouse, and that's about it. See the photo source for detailed plans.



*Photo source: [Alberta Home Gardening](#)*

#### **4. The Fifty Dollar Greenhouse**

As you will see for yourself, you can DIY a greenhouse for just \$50, in a hoop-like greenhouse design. This is a hugely popular design, very similar to the hoop-style one, and you'll end up getting a tunnel type greenhouse, ideal for confined spaces.

The basic frame can be built using lumber and for covering the top, clear plastic sheet is the best and the cheapest. On the sides of the wooden structures you can attach PVC pipes for enhancing rigidity and maintaining the shape of the hoop. For detailed plans, go to the link in photo source.



*Photo source: [Door Garden](#)*

## **5. The Dome-Shaped Greenhouse**

This DIY project is aimed at art lovers, as this structure built from broken triangles looks absolutely beautiful. The detailed plans in the photo source, but keep in mind that this is a tougher project, requiring proper measurement and a well-thought plan for achieving that beautiful dome-look. Assembling it will take some time and after building the wooden structure, you can cover it with special greenhouse sheeting, available at hardware stores.



Photo source: [Northern Homestead](http://NorthernHomestead.com)

## 6. The Scrap Window Greenhouse

As the title suggests, this DIY project will make the most of your old and, until now, useless window frames that are lying in your attic or wherever. Basically, you'll have to build the foundation from wood and use screws to assemble the recycled window frames on it. You can finish the mix with some tin roofing. You'll find the lots of ideas in the photo source.





Photo source: [Inspiration Green](#)

## 7. The Scrap Door Greenhouse

This is a variation on the previous project, this time using scrap doors instead of windows. If you have enough old doors laying around in your junkyard, now is the perfect time to recycle them and make the most out of them. This is a very simple project, with scrap doors used instead of side paneling, with plastic sheets or tin roofing put into the mix for additional awesomeness! See photo source for more DIY details.



*Photo source: [Mother Earth News](#)*

## **8. The Plastic Bottle Greenhouse**

This project is perfect if you're obsessed with recycling plastic bottles, as it requires hundreds of them, and you'll save the environment in the process. The structure is very simple, made from wood, with the plastic bottles inserted in between, acting like a transparent wall. This is a recycler's fantasy for getting the greenhouse of your dreams. This DIY project is perfect for small places and it is very friendly on the budget. Here's a video detailing the how to's.

*Video first seen on: [Wild Urban](#)*

## **9. The Sturdy Greenhouse**

If you live in high wind and/or snowy areas, here's a video detailing the proper DIY greenhouse project for you. These are built to be sturdy, which supports strong winds and heavy snow loads.

*Video first seen on [LDSPrepper](#)*

I hope the article helped and if you have suggestions or comments, feel free to express yourself in the dedicated section below.

And stay tuned if you want to learn more on this topic as tomorrow we are going to discuss the best techniques to heat your greenhouse!



## **The 3 Pioneer Survival Lessons We Should All Learn**

[Watch Video »](#)

*This article has been written by **Chris Black** for [Survivopedia](#).*