

NEW Owner Booklet

A guide to caring for your new greenhouse!



GREENHOUSES BY

NWGP

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Cleaning Your Glazing.

- It is recommended that you give your greenhouse a good hose down every couple of months. Treat the plastic like you would treat your car's finish. Never use any harsh chemicals like bleach on the polycarbonate glazing. It is recommended that an area requires more attention; use warm soapy water with a microfiber (nonabrasive) rag. You can use glass cleaner if necessary, but we suggest keeping all chemicals (including pesticides) away from the poly to ensure it will last as long as possible.
- If you have a greenhouse glazed in single or double pane glass, use glass cleaner and a squeegee. Treat the glass as you would your home windows as they are much less susceptible to chemical damage.
- If you requested a custom glazing you be sure to know the unique care needs of the product.

Adjusting the Vent.

- Your vent is adjusted by turning the knob on the end either clockwise, which allows for increased ventilation, or counterclockwise, to improve heat retention. Please see your guide directly from Bayliss or Univent for any additional adjustments.
- Depending on how large your greenhouse is and what style roof will determine how many lifters were installed. It is recommended that you keep these equally adjusted to improve ventilation.
- If you have the Modern Slant Roof Style, you will have a lifter at the bottom of each 4' vent section. These lifters will operate completely independent of each other and can be adjusted in any manner seen fit.

Re-Staining.

- While Staining is not a requirement for your warranty, re-staining the greenhouse will add to the unit's life. Typically you can touch up areas where the color is starting to fade.
- When re-staining, we recommend that you apply the stain and after it has sat for a couple of minutes, wipe away the excess. Make sure to clean off any stain that gets on your glazing. You can even use painter's tape to help prevent this.

Things to watch for.

The Door:

1. The door is designed with a 1/4" gap around the entirety of the door. As with all softwoods, cedar is susceptible to swelling and shrinking with water retention and drying. If your door swells to the point that it will no longer close, you can adjust at the hinges. We intentionally do not mortise (rout) the hinges to allow for movement when necessary. If your door shrinks due to a dry climate, we provide spacers for the strike plate that you can install to close the gap.
2. If the door is rubbing, sagging, or off square, it is typically due to the door framing being off square. Typically this is caused by the base settling or giving on the seam where the panels connect. This can be combated by simply adding shims under the seam to lift the frame back into square.

The Vent:

1. One of the most common questions is when your Ridgeline vent opens and is uneven. The Ridgeline vent is designed to do this. The reason you are experiencing this is due to the difference in temperature each lifter is experiencing. Once one end gets warm enough, it will open the vent, which will then cause the other lifters to cool down before they can extend like the first. If you are experiencing this issue when outside temperatures are above 75 degrees, there may be an issue with the lifter.

Things to watch for.

Benches and Shelves:

- Benches and shelves are built on a cantilever system to minimize the wasted space of legs. If for any reason a bench or shelf were to split under normal load (refer to capacities) we will send you a replacement part free of charge. (Refer to your warranty.)

Capacities!

Benches:

- 24" Benches can sustain 125lbs at the edge (per 4' section)
- 18" Benches can sustain 150lbs at the edge (per 4' section)

Shelves:

- 13" Shelves can handle 150lbs at the edge (per 4' section)

Trusses:

- We guarantee each truss to be strong enough to hold 300lbs hanging weight although the 16' and 20' trusses have been proven to hold over 1000lbs hanging weight.

Roof Plastic

- The roof glazing has spaces in which there is no support (up to a 30"x46" area). It is not recommended to walk on these areas. When on the roof we recommend you stay on the truss or cross braces.

Snow Loads

- Being in Central Oregon, we have had many greenhouses with snow loads up to 6' high. We have not had the greenhouses officially rated for snow load. If you are in a heavy snow area, we offer a roof upgrade to combat the most severe snow loads. These upgrades can be applied after the original installation.

Have you outgrown your greenhouse?

- One of the main benefits of your new greenhouse's modular and expandable design is that it can be made larger at any time. We can simply add a few panels to your existing structure, and just like that, you have a larger greenhouse.
- Nearly all of our components are interchangeable. When we design new accessories or features, we strive to incorporate them into our existing design.
- What all of this means to you is that if you need a change in size, style, or want to add a feature to your existing structure, it can be done easily and for minimal expense!

Why'd we start building greenhouses?

When my wife and I learned that we were to be blessed with our first child, we began discussing the type of foods we wanted our kids to eat. We liked the idea of growing as much food as possible without chemical additives to provide our family with nutrient-rich foods. It quickly became apparent that to grow food year-round, I would need a greenhouse. I found many options: Some were poorly made and looked like they might blow away with the first gust of wind. Others were nice but extremely expensive permanent structures. Almost all the 'kits' I came across were complicated to install and made from cheap materials. We decided that building our greenhouse was the only option!

Tips to passively increase your greenhouse efficiency!

Water Barrels

Water barrels hold the day's heat and re-radiate it back into the greenhouse once it cools. It creates a buffer that reduces the day's high temperatures while raising the low nighttime temperatures.

Rainwater collection

Rainwater is usually free from harmful chemicals, which makes it ideal for irrigation purposes. Another significant advantage is that it reduces demand for potable water and is especially important in areas with low water levels.

Thermal Mass

Store as much of your potting soil, tools, and plants in your greenhouse as possible. Your greenhouse works like a solar battery, and the more filled up it is, the more energy it can hold onto and allow it to function better on its own.

Solar fans and vents

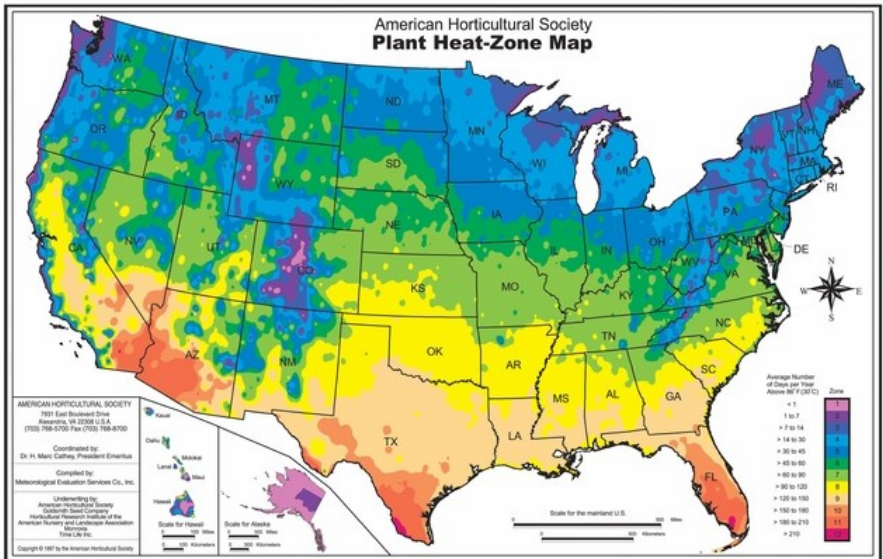
You can use solar fans and solar-powered vents to increase your airflow and circulation. If you are experiencing higher than ideal temperatures in your greenhouse, these accessories can be a way to level out the temperature without hardwiring power.

Use your landscaping

Another neat idea is to use your vegetation or landscaping to your advantage. In heavy sun areas you can plant **Deciduous** trees near your greenhouse. In the summer months they will be full of foliage providing a natural sunshade. In the Fall and Winter months the foliage will drop and expose the greenhouse to a more direct light.

Tips to passively increase your greenhouse efficiency!

- One of the most important tips is to know your growing zone! The point of the greenhouse is to work around your growing zone and extend the growing season. In many cases, you can grow plants and vegetation that are not native to your climate, but this can often mean adding or supplementing light or heat during inclement times of the year
- Look up what type of soil your plants need to flourish.
- Finally, the absolute most crucial thing you can do in your greenhouse is to have fun, get your hands dirty, and experiment with all types of growing. We hope you enjoy your greenhouse and the many experiences that will follow.



Contact us with any questions!

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