

## Oranges vs. Oranges

### How does a Sprung Greenhouse really compare?

When you compare feature by feature, you'll quickly see how your Sprung greenhouse out-performs conventional greenhouses. Quality starts with intelligent design and choice of materials. When you consider the rapid construction time, superior energy efficiency, long term flexibility and lower overall costs, you'll agree that a Sprung Greenhouse is the right choice.



FEATURE	SPRUNG GREENHOUSE	POLYCARBONATE	GLASS
<b>Cost</b>	\$25 square foot *Higher cost per square foot on small sizes.	\$25 square foot	\$50 square foot
<b>Foundation</b>	Fast inexpensive earth anchor option available in addition to concrete.	Concrete required at \$10 to \$15 per square foot.	Concrete required at \$10 to 15 per square foot.
<b>Construction Time</b>	Up to 1500 square feet per day anytime of year.	Slow and labour intensive to install, especially caulking and can only be complete in warm, dry weather.	Slow and labour intensive to install, especially caulking and can only be complete in warm, dry weather.
<b>Fire Certifications</b>	Fire certifications in place.	Fire certifications unavailable.	Fire certifications in place.
<b>Snow Loads</b>	Structural engineered and stamped for snow loads without heat within building.	Heat is required to aid at roof level to prevent snow load collapse.	Heat is required to aid at roof level to prevent snow load collapse.
<b>High Winds</b>	Can be designed to be insurable right up to category 5 hurricane wind speeds.	Susceptible to high wind speeds.	Susceptible to high wind speeds.
<b>Hail Proof</b>	Warranted hail proof	Susceptible to hail	Susceptible to hail
<b>Lifespan High Humidity Environments</b>	50 year warranty on rust free aluminum substructure. 10-year warranty on greenhouse membrane. Membrane is replaced in days at 30% of original capital cost.	Steel substructure is prone to rust in high humidity greenhouses . Polycarbonate yellows with 3 to 6 years. Replacement time and cost is approximately 50 percent of original capital cost.	Steel substructure prone to rust in high humidity greenhouses.
<b>Light Transmittance</b>	Removes UV defuses light for consistent canopy lighting without annual cost of whitewashing.	Annual cost of white washing.	Except for very high cost etched glass annual cost of white washing.
<b>Weight</b>	Clear span from load bearing wall to load bearing wall. 4lbs per square foot. Adaptable for existing building roof top retrofits.	Steel and concrete are too heavy for most existing building roof tops for economical retrofit.	Glass, steel and concrete are too heavy for most existing building roof tops for economical retrofit.
<b>Lease or Purchase</b>	Yes	No	No
<b>Airtight Building Envelope Efficiency</b>	Air Permeability almost 0*, which means excellent energy performance	Poor air tightness.	Poor air tightness.
<b>Energy Savings And Operating Costs</b>	Up to 20 percent energy savings over conventional greenhouses.		

