

Educational Greenhouses

Structures, Systems and Equipment for Learning



When the greenhouse is your classroom, it's good to know Stuppy.

At Stuppy, we understand the needs of teachers in the greenhouse. Our growing structures are part of the curriculum in over 1200 schools, from primary to post-graduate. We know that giving students access to a greenhouse opens numerous possibilities for STEM learning and career preparation, from providing a new, dynamic lab space for related courses, such as biology, chemistry and environmental science, to satisfying the objectives of a horticulture program.

Our sales and engineering team draws on decades of experience working with high schools and colleges to help you tailor a climate-controlled classroom that promotes growing plants and growing minds. We will walk you through every step of the process, from planning and design to construction, training and maintenance. And beyond conception and construction, Stuppy offers educators many resources including parts and equipment, product training and maintenance.

"Stuppy's greenhouse design and fabrication, engineered in-house, speaks for itself, along with the unbeatable service and expertise our team has to offer. Let us work with you to bring to life the ideal growing environment for your school and your students."

Matthew J. Stuppy, President



Good to know.

Stuppy
GREENHOUSE

Educational Structures

Stuppy manufactures a range of versatile greenhouses, including two of the most popular structures for educational classrooms, the CS3 and the Rainbow® Plus. We design and engineer our greenhouses to provide a comfortable, climate-controlled environment that promotes growing plants and growing minds. What's more, our sales team makes the process easy; drawing from years of experience working with high schools and colleges, we partner with you to tailor the right greenhouse to specification.

CS3

The CS3 is a traditional "A-frame" greenhouse and a great choice for schools: it has a tall sidewall for getting the heat off students, teachers, and plants, and it is an attractive addition to a high school or university campus. The CS3 is perfect as a long-term solution; it is covered in 15- to 20-year polycarbonate and requires very little maintenance, so teachers can concentrate on teaching and not up-keep. CS3 greenhouses were designed to provide maximum flexibility, offering multiple ventilation options while maintaining common truss and column spacing.



Rainbow® Plus

For a budget-friendly, Quonset-style house, the Rainbow® Plus is a solid long-term solution that requires very little maintenance. This greenhouse comes with a rounded roof and 8' or 10' sidewall options that provide maximum space for movement. The low-profile roof line of the Rainbow Plus® reduces heated surface areas for efficient temperature control. Strong and durable with polycarbonate covering, this gutter-connectable greenhouse offers a flexible design that can be tailored to your needs.



MADE IN THE USA

Stuppy greenhouses are engineered and manufactured in-house, right here in the USA, where they can be designed to be compliant with local building codes and withstand high winds and snow loads.



Coverings, Shade Systems & Equipment

Once you've chosen your greenhouse, Stuppy will help you complete your ideal growing environment with the industry's best coverings, shade systems and equipment, whether designed in-house or supplied through our trusted partners.

Coverings

Stuppy greenhouses come with the most durable coverings in the industry. Protect your greenhouse with corrugated and 8mm twinwall polycarbonate, a cost-effective and long-lasting covering backed by a 15-year warranty for yellowing. Multi-wall acrylic or pro-panel corrugated metal options are also available.

Shade Systems

Shade your plants, conserve energy and reduce heat loss with an interior shade system or an exterior shade cloth. Designed in-house, Stuppy's custom interior Shade System controls light levels with shade fabrics that range from 15% to 70%, reducing energy consumption by up to 40%.

Standard Equipment

Choose from a wide range of standard equipment that will make your greenhouse classroom a comfortable, safe, and efficient growing environment for your students and plants, including: exhaust fans and inlet shutters, personnel doors, an evaporative cooling system, a rigid vent system, controllers and heating units.

Optional Equipment

Stuppy offers a range of standard and custom options for your greenhouse: heat, irrigation, benches, roof vents and lighting. Designed in-house, our custom Heat₂O™ hydronic heat warms the soil at the root zone for even control of soil temperature. Heat₂O™ is offered in a range of options to fit any grower's needs, including on-bench, under-bench fin, ground and floor heat.





Many educational greenhouses are used to teach students about new growing methods, such as hydroponics and aquaponics. Stuppy designs the most advanced, automated growing systems available in the industry, custom designed to fit the size and goals of your curriculum.

Hydroponics

NFT Growing Systems make growing easy by economizing space and offering flexibility, while maximizing quality and yield. Designed to grow with your program over time with add-on modules that can be incorporated together without significant alterations. Features an open gutter with spacing that can be tailored to meet the needs of your crop.

Ebb & Flood Systems directly immerse plants in the nutrient solution — a simple and effective means of greenhouse growing. Shipped with a 75-gallon reservoir and contains all necessary plumbing and parts. Commonly used for growing seedlings through to finished plants, whether flowers, vegetables or fruits.

Bucket Systems are ideal for growing vine type crops, such as tomatoes, cucumbers and peppers. Arrives with a central reservoir and circulation pump. Nutrients, pH and EC can be automated with an Autogrow® dosing system.

Aquaponics

The Aqueduct, Stuppy's aquaponic growing system, is a small-scale, expandable package engineered in-house for the greenhouse classroom. The basic four tank system has a 5' x 20' footprint with a 650-gallon system, supporting up to 100 plants and 50 – 75 fish. It is a complete growing system with quick assembly that ships with all required components for operation (except the fish).

A digital 19-week STEM Aquaponics curriculum is included with every Aqueduct. The curriculum meets NGSS standards, covers all aspects of aquaponics, introduces new vocabulary and poses critical thinking questions.

Contact us today to discover why Stuppy leads in designing Educational Greenhouse environments.

Good to know.

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