

Almost everyone likes to garden or grow something outside or inside. Some like vegetables, others like flowers or green plants and some people only grow herbs. **Verti-Gro** has made gardening easy and efficient for everyone. You can do it inexpensively as a home gardener or on a large commercial scale.

**Verti-Gro** was developed for the commercial production of strawberries, lettuce and herbs. Many greenhouse owners and farmers are now using the concept of vertical growing. However, no vertical growing system has ever matched the production of **Verti-Gro** at such low cost and simplicity

What makes hydroponics different than regular gardening? Hydroponics uses no soil and plants are grown in a substitute growing media. The plants still require all the nutrients that they would have obtained from the soil. A specially blended hydroponic fertilizer is added to the irrigation water and provides all the nutrients the plants require, even micro nutrients such as boron, etc. This gives you more control over plant nutrition and increases production and quality.

Why would we want to replace the soil? Soil is very inconsistent and most often does not have a balanced nutrient composition. The types of soils differ from sandy, which is very porous, to clay, which is very tight. Watering and fertilizing becomes very difficult even for commercial farmers. It takes years of preparation of your soil in order to have a decent garden. Even then you have to constantly remove weeds, spray more for insects, and control soil diseases.

At **Verti-Gro** we replace the soil with a natural growing media that is clean and porous. These soil substitutes consist of coconut fiber, perlite, and sometimes pine bark. These materials contain very little, if any, nutrients that can be absorbed by the plants, but provide a perfect soil substitute. A well balanced fertilizer is then added in a hydroponic or organic solution. Water retention, but not water logging, is the ideal soil substitute. Porosity is the technical term.

The nutrient solution is the most important part of the system. You can have varying degrees of success in many substitute soils, but with the proper nutrient and media you can produce more than you ever thought possible in less space with less fertilizer, less water, and less or no pesticides. When you regulate water and nutrition with a good quality plant variety you have both higher production and higher quality. You can grow 6-10 times more in a vertical garden than in a normal garden of the same size.

The **Verti-Gro** system can be set up in any flat area and is very easy to move. It can even be put on wheels for easy moving. Everything but the seed is supplied with the smaller units. The ingredients for the growing media (or substitute soil) is available or will soon be available at all nurseries and garden shops. Everything is designed for simplicity, even the mixing of the soilless media and the fertilizer.

What makes **Verti-Gro** different than other vertical growing systems such as ones you may have seen at Epcot Center? It is the design of the **Verti-Gro** pot. We use high density Styrofoam that is guaranteed for 5 years. In fact it could last forever if handled as directed. The potential design of the pot includes a center hole for support and irrigation. The holes in the bottom allow for proper drainage from one pot to the other and the irrigation water and fertilizer is recycled. The high density Styrofoam insulates the roots from both cold and heat. What causes plants to stop producing in the summer? It is not usually air temperature, but rather soil temperature. Think about how you feel and how you perform when your feet are too cold or too hot. How much healthier and more productive would you be if you could always have the perfect temperature and a consistent, balanced diet? This is what we are trying to do at **Verti-Gro** with many different types of plants.

There are over 80,000,000 home gardeners and home gardening is the largest and fastest growing type of recreation in the world. Clean nutritious homegrown vegetables are in high demand and farmers are getting a premium for quality products. You can have high quality vegetables and flowers at almost anytime you desire with a **Verti-Gro** system. Freshness is the key to quality and there is nothing like vine ripened, fresh picked produce or fresh herbs and flowers. You can't have it any fresher than from your own garden. Even if you have never had a garden you will be able to grow in this system. You can put it on your patio, yard, driveway, and balcony or inside depending on the light available and what you want to grow.

As a commercial grower for over 30 years I have taken the work out of home gardening and put the fun back in with this vertical growing system. I personally guarantee that if you follow directions you will be able to grow plants in this **Verti-Gro** System even if you have never grown a plant in your life.

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