Product
- Best quality
- Better taste
- Higher uniformity
- Longer shelf life

Savings in
- Water
- Fertilizers
- Crop protection chemicals
- Farming labour

Profitability
- Higher plant density
- Higher precocious crop
- Higher yield
- Higher productivity
- More cycles

Environment
- No wastage
- Recyclable materials

A system that obtains:
Better products, important savings, optimum profitability, environmentally friendly, joint to other attributes.

OTHER IMPORTANT QUALITIES
- Adaptable to any soil conditions
- Lightweight system easy to install
- Adaptable to any type of structure
- It does not need disinfection treatments

The Recirculating Hydroponic System

www.ngsystem.com
New Growing System

Company solidly established in the agro-food sector, with more than 25 years experience in developing and installing a unique and patented own recirculating hydroponic system, that allows a complete control of the crop management delivering quality, savings, productivity and profit.

- EXPERIENCE
  From its founding, New Growing System has materialized more than 1,000 projects across more than 20 countries four continents, from simple customized installations, to complex turn-key projects involving greenhouses, NGS system, irrigation systems and complementing elements.

- I+D+i
  New Growing System, is permanently dedicated to research and development of new solutions for the production of quality crops and intensification of plantation densities, that optimize the yield of the crop areas.
  In order to perform its R&D policy, New Growing System works closely with important Universities and Organisms, private and publics, national and internationals.

- TECHNICAL SUPPORT
  The NGS projects entail an important added value: a experienced team able to contribute to productive and profitable solutions in any circumstance and place.
  We facilitate the possibility of training stays for the staff in charge of the new facilities and in the handling of the system.

The system

The system, is created from a masterful piece, the multi-layer, specifically designed to lodge the rooting system of the plants and to facilitating them to reach its optimal development

It is made at a series of interconnected layers, which create a circuit at different levels, generating small cascades, whose main mission is to favored the oxygenation of the nutritious solution and the plants.

One of the main virtues of NGS system, is its capacity to induce the development of strong rooting systems, which result in plants of maximum productive potential and maximum resistance against diseases.

Adaptability of the system

The NGS system is lightweight and very versatile, being able to adapt to all soil type without considering its composition, location or slopes that this can have. By its lightness, it admits multitude of formats of support like the following:

<table>
<thead>
<tr>
<th>Fix system</th>
<th>Mobile system</th>
<th>Oscillating system</th>
<th>Automatic system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 65,000 plants/Ha (roses)</td>
<td>Up to 200,000 plants/Ha (lettuce)</td>
<td>Up to 200,000 plants/Ha (strawberries)</td>
<td>Up to 340,000 plants/Ha (lettuce)</td>
</tr>
</tbody>
</table>

Recirculating system diagram

The irrigation systems for NGS consists in closed circuits, where there is no waste of water and fertilizers, at the same time that each and every one of the elements that takes part in the process of development of the cultures is controlled.