

Profit-Agro HRS™ Sowing the Seeds to Prosperity

At Profit-Agro Ltd. we do things a little different. Our design team is made up of the finest engineers and agronomists the field has to offer. Together they integrate the most cutting-edge market trends into each of our solutions. Our extensive experience in the global market, makes us a world leader in Agro Technical Solutions. Among our flagship products is our Hydroponic Raft System for lettuce and other leafy greens.

Adaptable to any number of our custom-built greenhouses, the system we have developed gives growers the advantage they need to overcome the drawbacks of conventional growing methods.

So far, we have successfully implemented our systems in Africa, The Middle East and Asia and the outcome has been unanimously positive.

Basic operational information

Capacity - Daily production capacity is based on the number of ponds and their sizes (ponds size is contingent to the structure size). Optimal sizes are calculated and based on the requested growing and cyclical timing. The type of lettuce, planting density and desired daily yield are key factors.

Produces 365 days a year – Year-round harvesting demands a stable source for supplying nursery plants on a weekly or short-term basis. This can be achieved with an in-house nursery **which we can supply** or by purchasing plants from a local supplier. High quality, healthy plants are a key factor for maximizing production rates in this unique process.

Protected Growing Environment – We offer different types of structures depending on the local weather conditions and the growing site characteristics. In relatively hot places, simple sealed structures are ideal. Whereas, when harsh weather conditions apply structures will be more advanced, and solutions may include heated and ventilated solutions as well as other advanced systems that we tailor to success.

Reliable concept – The HRS system is far more reliable and far less sensitive when compared to any other hydroponic system available in the market today. This includes NFT and Aeroponics which are very sensitive and risky in terms of operational failures, human error, power and water failures and other unexpected surprises the outcomes of which are devastating and swift. Entire crops can be damaged beyond repair within hours.

We offer the most reliable hydroponic system in the market.



HRS in a High Tunnel- two ponds per structure

Product Description:

Structure Model:	Gothic High Tunnel (10 m' span)
Length (arch every 3 meter):	42 m'
Ventilation:	Forced (exhaust fans)
Height:	4.4 m' at the peak.
Pond Dimensions:	39x4.05 m'
Capacity:	25 plants/m ²
Sumer cycle:	20 – 22 days
Winter cycle:	25 – 30 days
Estimated annual yield (12 growing months):	90,000 lettuce heads per tunnel
Avg. Daily Production Rate:	250 heads
Nursery Weekly Demand:	1,700 seedlings
Recommended Packaging: (by hand)	30 micron plastic Sizes vary according to crop
Employee Demand:	1/ two pond system.
Total area per structure:	420 m ²
Annual Production Rate:	200 heads/ m ²



HRS in a Gothic Greenhouse- two ponds per gable

Product Description:

Structure Model:	Gothic High Tunnel (9.6 m' span)
Length (arch every 3 meter):	44 m'
Gables	5
Total area:	2332 m ²
Ventilation:	Forced (exhaust fans)
Height:	6.0 m' at the peak.
Pond Dimensions:	39x4.05 m'
Capacity:	25 plants/m ²
Sumer cycle:	20 – 22 days
Winter cycle:	25 – 30 days
Estimated annual yield (12 growing months):	468,000 lettuce heads per tunnel
Avg. Daily Production Rate:	1,285 heads
Nursery Weekly Demand:	9,000 seedlings
Recommended Packaging: (by hand)	30 micron plastic Sizes vary according to crop
Employee Demand:	1/ two pond system.
Annual Production Rate:	200 heads/ m ²

