

# Mapal Soiless Growing Technology for Herbs



# Mapal Growing Technology

Mapal specializes in solutions for the hydroponics - soilless growers, enabling them to collect, re-use and/or recycle the drainage water & nutrients.

Mapal Agro division is involved in the developing & innovation of the needed soilless growing technology, offering the growers high quality, low cost and long lasting, efficient solutions.

# Mapal Technology



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Mapal's products are very durable and especially treated to be UV resistant as well as resistant to steam sterilization (MPS), chemicals and acids.

Mapal's troughs are suitable for all kinds of substrates such as volcanic soil, coir - coco peat, peat, perlite, rock wool and others.

The troughs are offered in flexible dimensions (length, width, depth and thickness) suitable for any drainage system and easily assembled to best serve the growers' needs.



# Using Mapal soilless technology

- Enables growth in areas where the drainage system is problematic and does not allow normal growing conditions
- Enables use of a wide range of substrates, including disease depressing substrates which allows for better plant growth
- Enables the use of special minerals and organic fertilizers available to the plants only under these specific conditions

# Using Mapal soilless technology

- Enables growth without weeds, and soil born diseases
- Enables Monoculture conditions
- Enables crops growth over a long period of time
- Enables a good way to sterilize the substrates between seasons, when needed



# other advantages of soilless cultivation systems

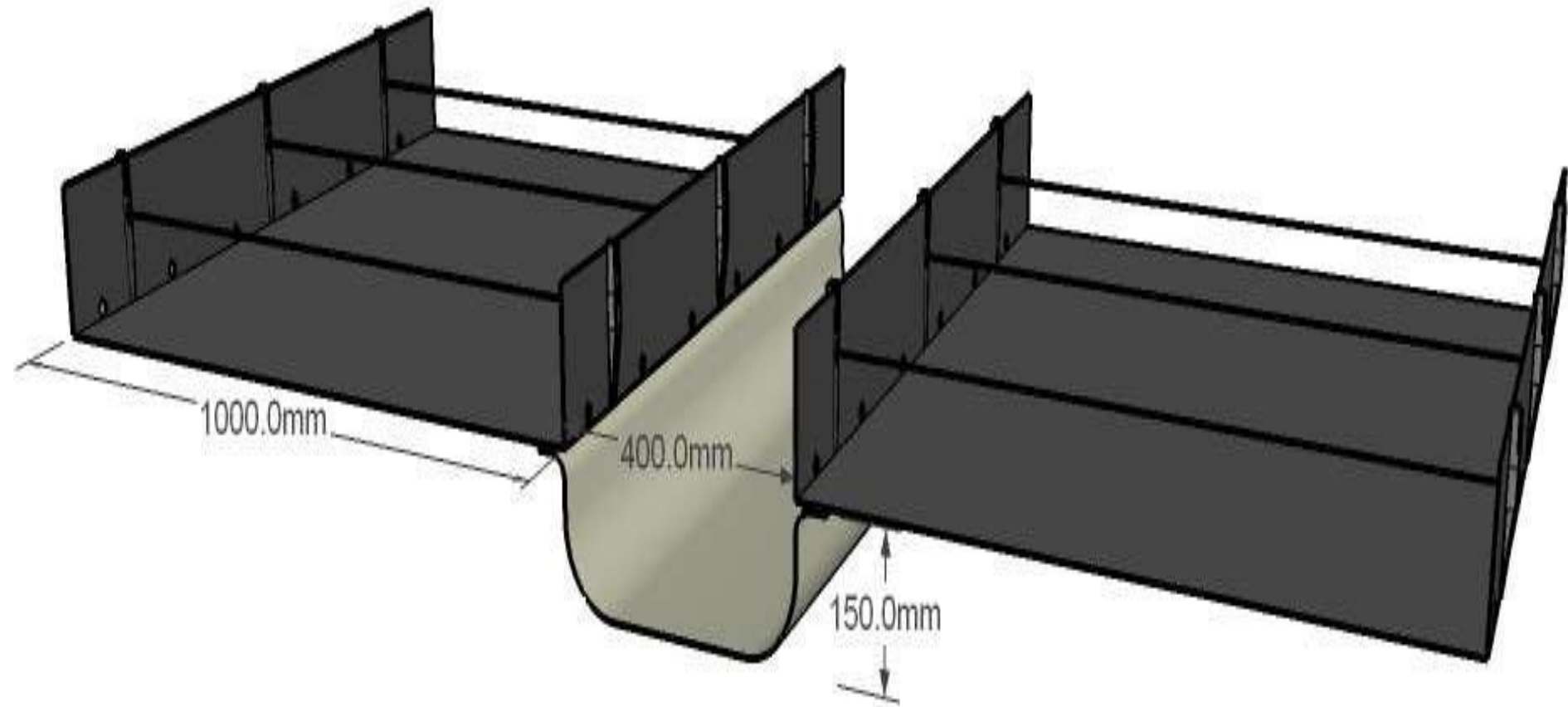
- Improved control of the PH & EC levels in the roots zone
- The plants can absorb fertilizers and/ or organic feeding materials which are unavailable to the roots under normal PH soil conditions
- Better drainage system and a better control on the drainage quality and quantity levels.

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