



Greens production - NFT



Liba

BUILD FOR BUSINESS

About Crop and Production

Lettuce and leafy greens are most commonly grown in nutrient-film technique (NFT) system. This system is best suited for producing leafy crops such as lettuce and other greens.

Lettuce (*Lactuca sativa*) is one of the most popular food crops grown hydroponically in greenhouses and controlled environments. Though iceberg is the most widely grown type of lettuce produced in fields, this is not what hydroponic growers are producing. Rather, butterhead and loose leaf are the most widely grown types of lettuce in greenhouses and controlled environments, though romaine or cos is also grown to a lesser extent. Though in limited quantities when compared to lettuce, other greens including spinach (*Spinacia oleracea*), kale (*Brassica oleracea*), bok choy or pac choy (*Brassica napa*), arugula or rocket (*Eruca sativa*), swiss chard (*Beta vulgaris* subsp), parsley (*Petroselinum crispum*), coriander (*Coriandrum sativum*) are increasingly being grown hydroponically.

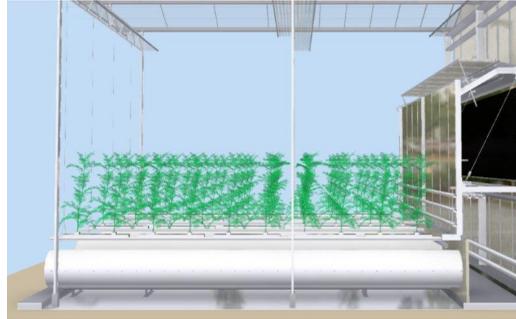


The Concept

Climate control

Semi-closed environment

working on a positive atmospheric pressure principle of between 10-20 psc, the semi-closed environment allowing much higher micro-climate uniformity and sanitation/ plant protection all year long production



Structure

Hybrid structure

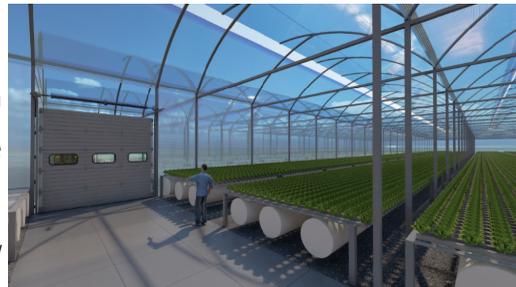
due to the inherent need for optimal climate control and maximum pest control embedded in the agricultural operation we are offering an hybrid structure that introduce industrial and agri-technical systems under one roof for the creation of Semi Closed environment and maximum pest control.



Growing platform

Recirculated Irrigation System

water temperature, flow rate and saturation are few of the parameters needed to be controlled while managing an NFT system. RIS systems are the most efficient with low water consumption.



Project reference

Production efficiency is our goal

With a production capabilities of more than 7 million lettuce heads a year, this production facility is the modern way to introduce all year long leafy green products.

The continuance in production result better yield and efficiency in production costs, hereafter the potential production from this project:

	Y1	Y2	Y3	Y4	Y5
Produced lettuce heads	6,417,968	7,206,938	7,379,687	7,434,525	6,818,522
Gross cost per packed head	\$0.35	\$0.33	\$0.32	\$0.32	\$0.33

Maximum production





**BIG ENOUGH TO DELIVER
SMALL ENOUGH TO CARE**

We will be pleased to share our knowhow with you, in support of your operations and future growth.

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