

“Film” Farming (Imec[®])

~ *Quality Food by Anyone and at Anywhere* ~

Mebiol Inc.

CEO

Hiroshi Yoshioka, Ph.D.



Mebiol Inc.

- **R&D company established in 1995**
- **Chairman: Dr. Yuihi Mori,
(former visiting Professor at WASEDA Univ.)**
- **President (CEO): Dr. Hiroshi Yoshioka,
(former visiting associate Professor at WASEDA Univ.)**
- **WASEDA Univ. is one of the investors**



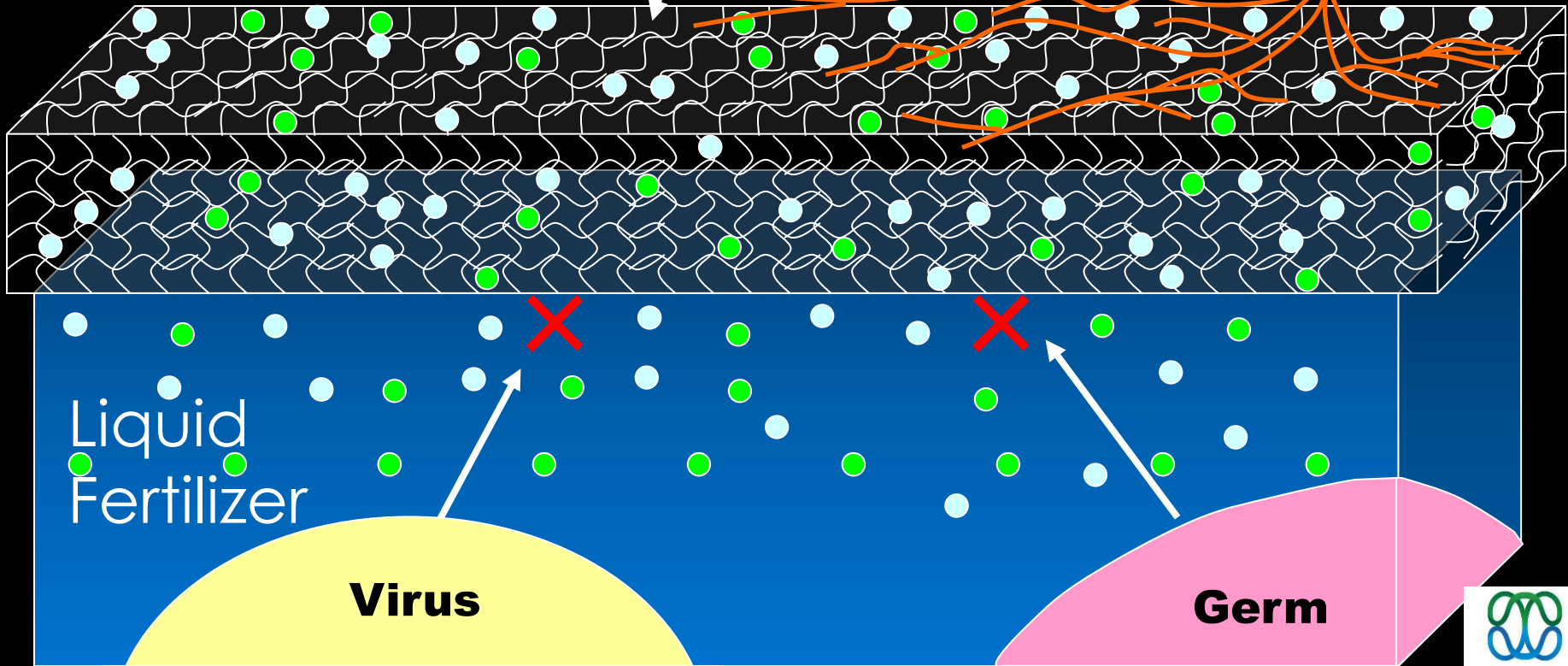
Growing **Lettuce** or **Tomato** on the Film

干ばつ地帯に“夢野菜”
世界が注目!フィルム農法
2010 日本の挑戦①

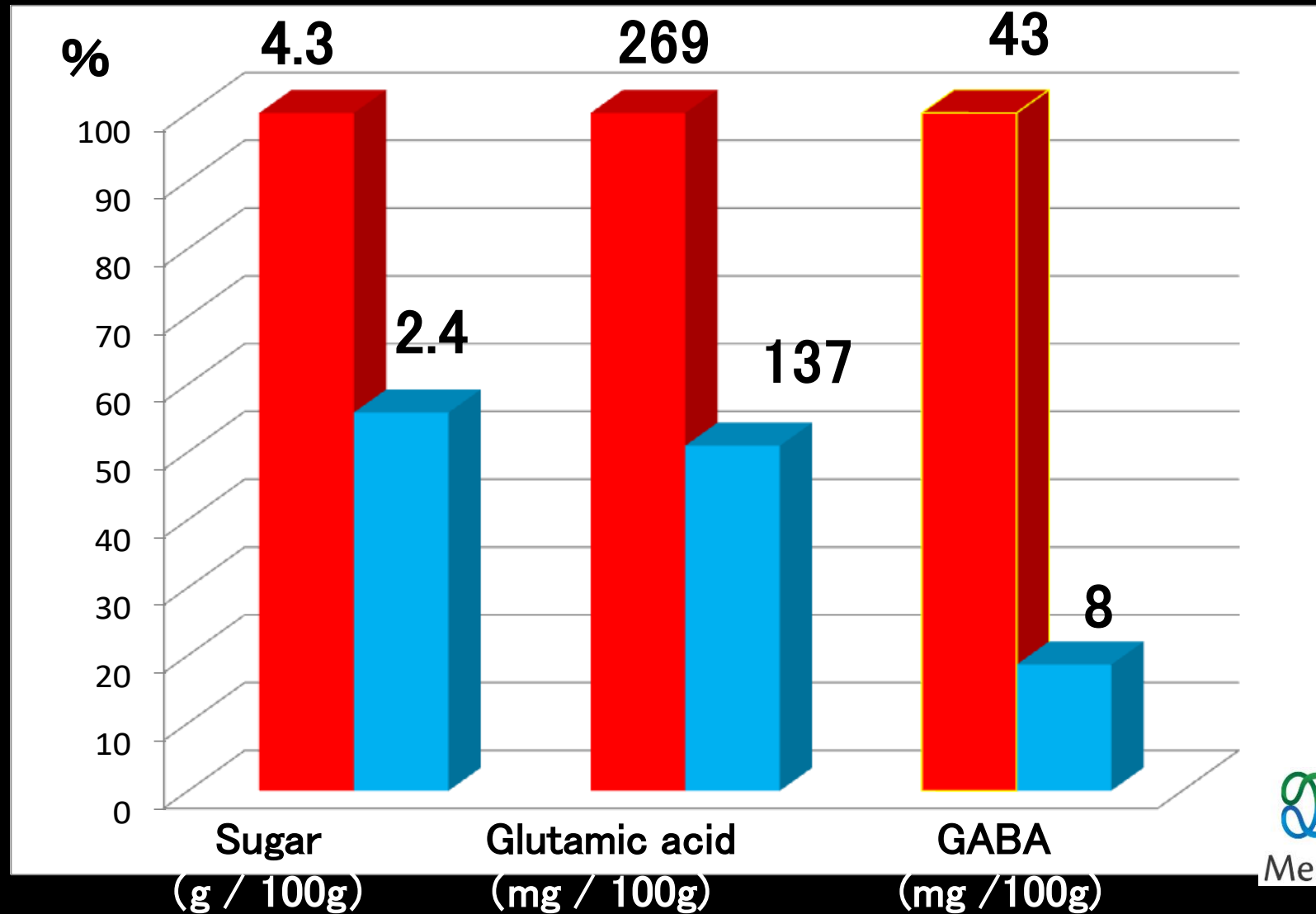
Mechanism of Film Farming

Imec[®]Film

- **Water**
- **Fertilizer**



Nutrients in Tomato produced by Film Farming and Hydroponic



I mec Tomato sold at Fruit Section



Miuraya
Gourmet

アイメックトマト



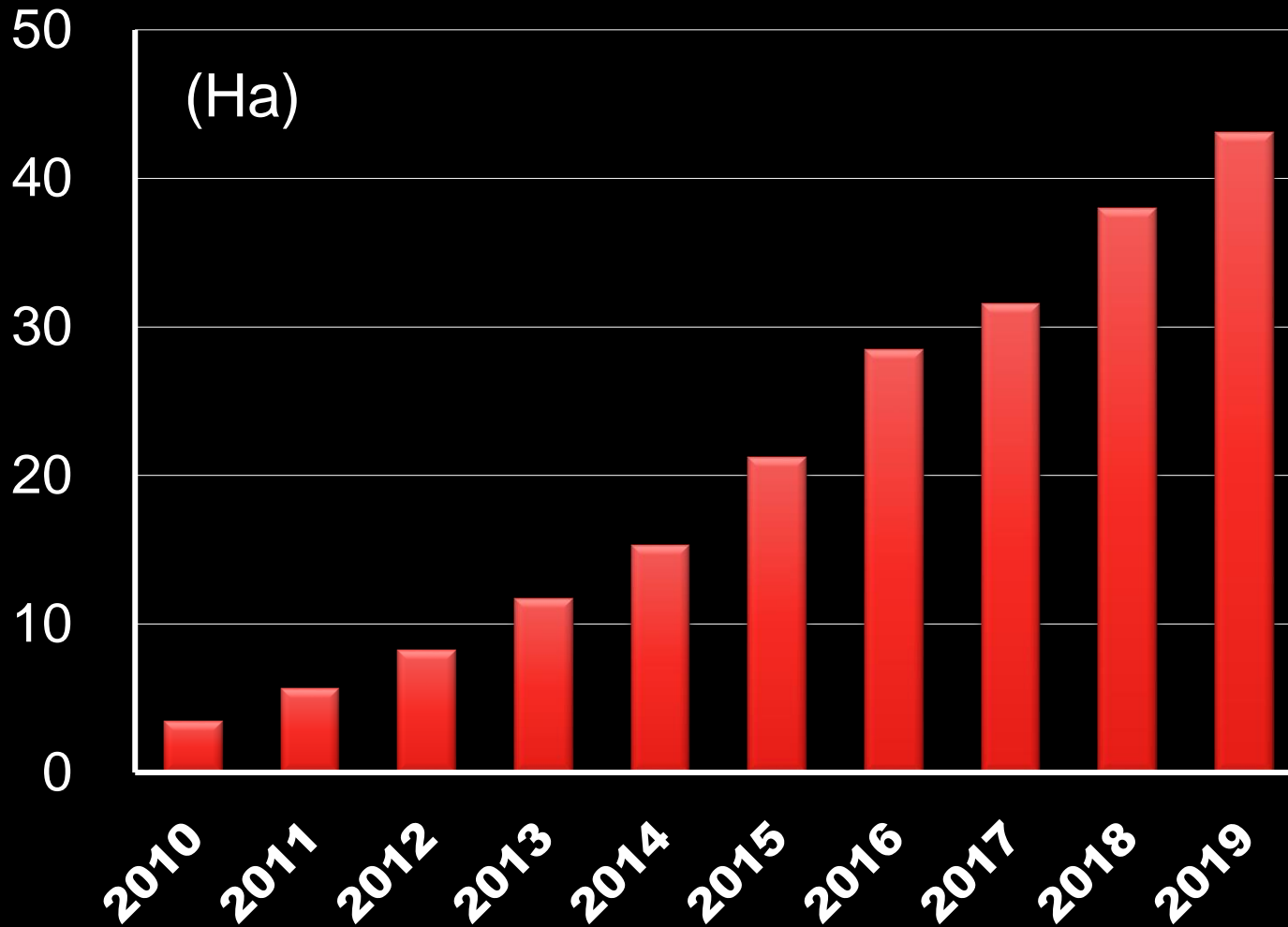
Profit Balance of Imec & Hydroponics in Tomato Production at Japan

Farm Area : 10,000 m² (1 ha)

Items	Imec	Hydroponics
Annual Yield (tons)	120	350
Whole Sale Price (\$ / Kg)	>10	4
Sales (M\$)	1.2	1.4
Initial Cost (M \$)	2.0	3.0
Running Cost (M\$)	0.6	1.3
Gross Margin (M\$)	0.6	0.1

USD1 \$ = 100 Yen

Growth of “*Film*” Farm in Japan



**Imec house of Toyama Kankyo (Plastic Recycle Business)
(2.8 ha)**



Interior Portion of Toyama Kankyo House



**“ Film ” enables farming by
anyone and at anywhere**

(Japan) Tsunami attacked area

JP Gov. Supported (Rikuzen-takada, 1.5ha)

(China) Soli contaminated area

CN Gov. Supported (Shanghai, 1.2 ha)

(Middle East) Desert

UAE (between Dubai and Abu Dhabi, 0.5ha)

Imec Farm at Rikuzen-takada (1.2ha)



Imec farm at soil contaminated area (1.2ha)



Desert Land (between Abu Dhabi and Dubai, in UAE)

Reverse Osmosis (RO) water is used



Imec farm in UAE desert (0.5ha)



World Patent of “Imec”



UNITED NATIONS
INDUSTRIAL DEVELOPMENT
ORGANIZATION

Registered with the Environmental Technology Database of UNIDO (United Nations Industrial Development Organization) ITPO Tokyo

(URL: http://www.unido.or.jp/en/technology_db/4118/)

Ministry of Foreign
Affairs of Japan

ENGLISH: <https://youtu.be/eu5EwxMwHyc>

CHINESE: <https://youtu.be/bkS7UDmyuC0>

FRENCH: <https://youtu.be/Gi-8ZyoF2oM>

SPANISH: <https://youtu.be/MSCV38vY0V4>

PORTUGUESE: https://youtu.be/_ftm1cXqbZA

ARABIC: <https://youtu.be/X1iPeqYsCbM>

Registered : 120 countries
Applied : 127 countries



Mebiol

*Thank you for your
attention!*

<https://www.mebiol.co.jp>
contact@mebiol.co.jp

Mebiol Inc.

CEO

Hiroshi Yoshioka, Ph.D.

