



# **Food Security Sector**

## **Micro-gardens technical WG & Community kitchen technical WG**

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**24<sup>TH</sup> FEBRUARY, 2016**

*Venue: FAO Baabda*

# AGENDA

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## 1. Micro garden technical WG

1. Questions or issues for discussion
2. FAO presentation
3. 3W matrix
4. Defining micro gardens

## 2. Community kitchen technical WG

1. Questions or issues for discussion
2. IOCC presentation
3. 3W matrix
4. Best practices and lessons learned
5. Inter linkages

## 3. AOB



Food and Agriculture Organization  
of the United Nations

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# Improving the nutrition of Syrian refugees and host communities through garden walls

*Mohamad Hachicho*

*FAO – National Agricultural Consultant*

*24/02/2016*

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# Objectives

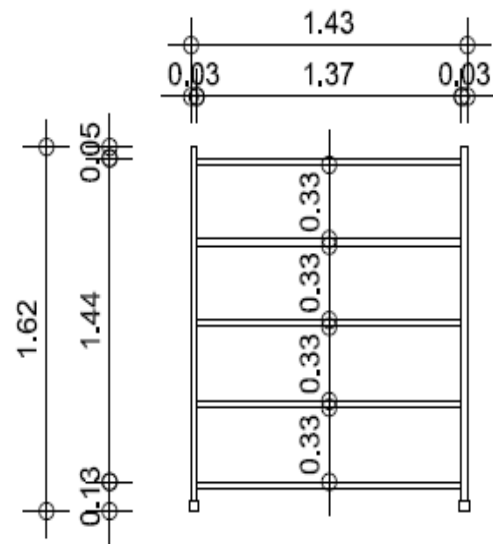
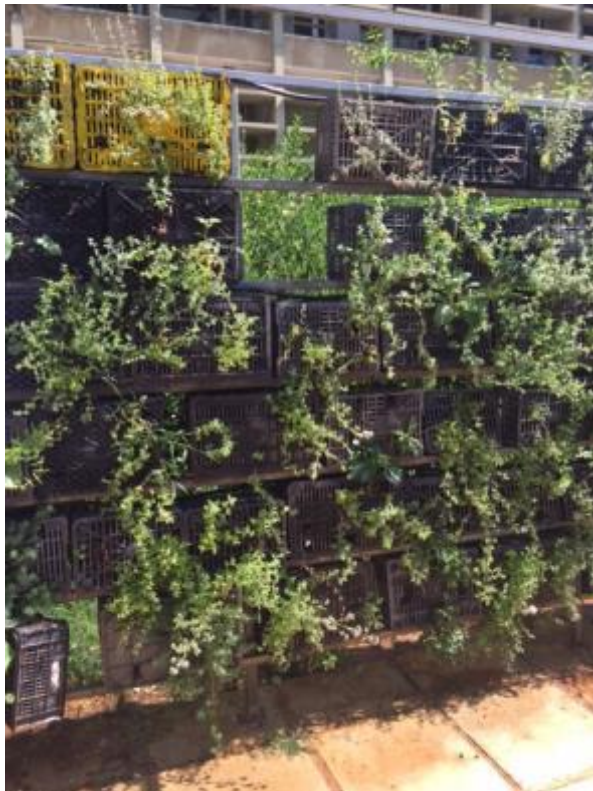
- To cope with the stressful situation through gardening
  - Improving social relations between people sharing green units and learning from each other
  - To innovate and adapt the production units to camp conditions
  - Partially subsidize the diet of the refugees and the hosting communities.
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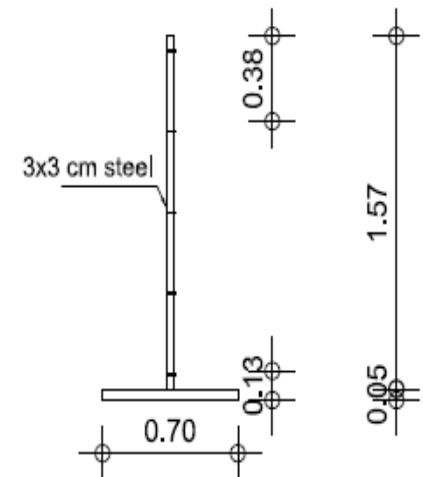
# Adopted Units

- AUB wall
  - Trolley
  - Agrotrolley
  - Standing wall
  - Barrel
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# AUB wall



FRONT VIEW

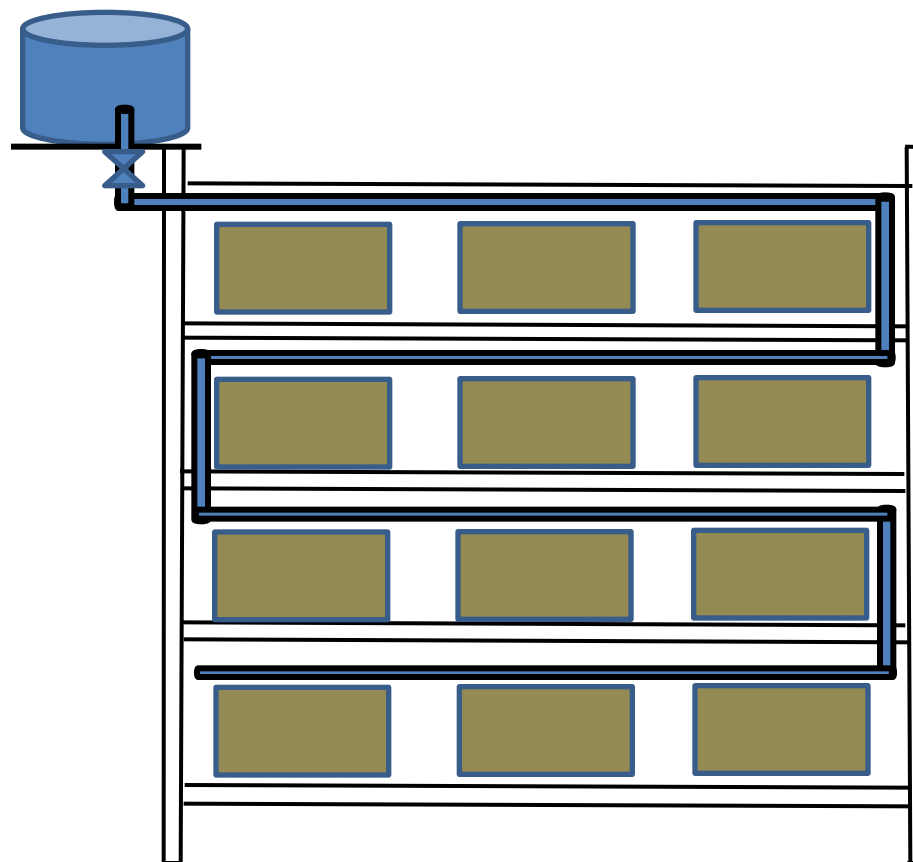


SIDE VIEW

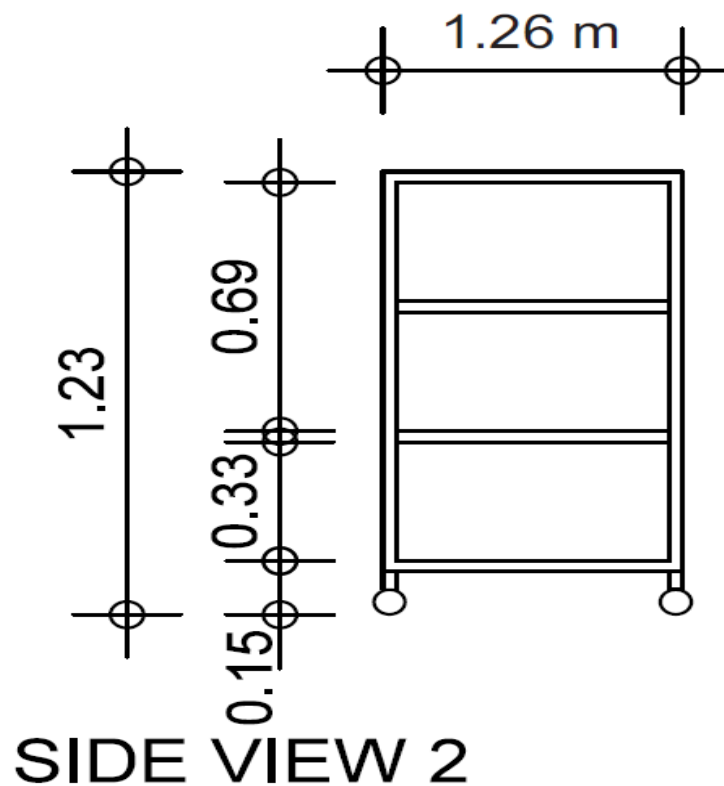


# AUB wall

## Irrigation Layout



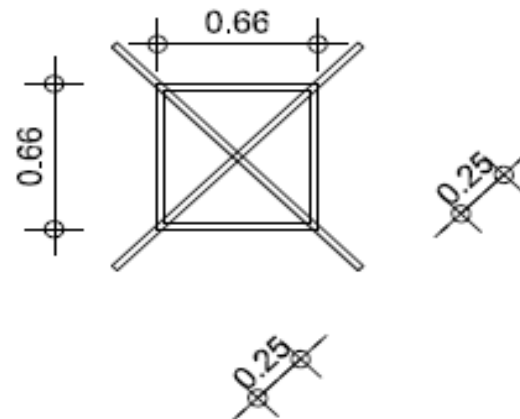
# Trolley



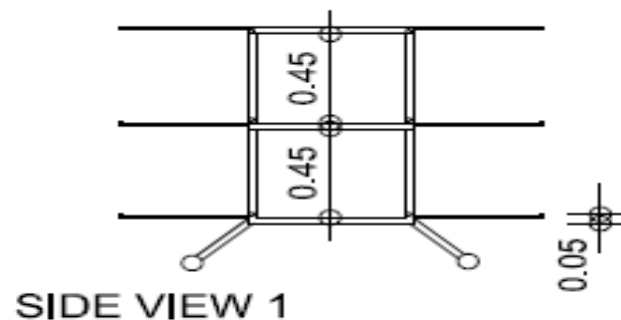




# Agrotrolley



TOP VIEW



SIDE VIEW 1



# Standing Wall



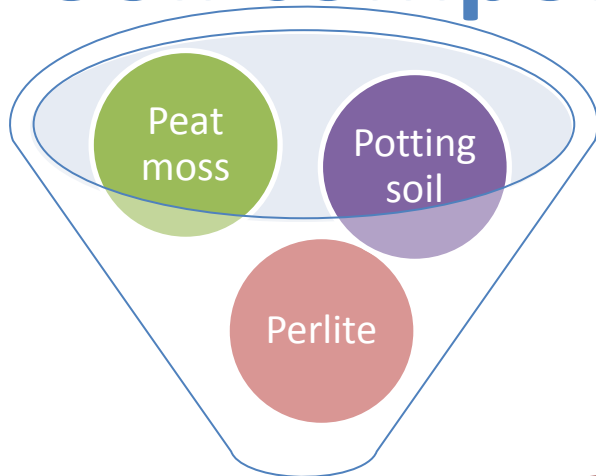


# Barrel





# Soil components



## Benefits

- Better Aeration
- Good drainage

18 liters



- 1/3 Peat moss
- 1/3 Perlite
- 1/3 Potting soil



# Area and Quantity of plants per site

**Available Area for plantation  
Per site  
15 m<sup>2</sup>**

Tomato  
Sweet pepper  
Zaatar  
Spinach  
Hindbeh  
Rocca  
Parsley  
Etc..

Number of Plants per site			
Tomato	Eggplant	Sweet pepper	Lettuce
10	10	2	200

# Items Provided



# Site Locations:





# Site selection criteria

- Having adequate number of women who will directly benefit from the Units.
  - The family's income should not come from agricultural activities.
  - Water availability
  - Availability of space for the units
  - Willingness of the people
  - Preferably having a low percentage of households who are benefiting from WFP vouchers
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# Site selection process

- Identifying vulnerable people in Tripoli & Akkar area through intensive field missions
  - Site for Syrian refugees was done in coordination with the NGO focal points of Collective Site Management and Coordination (CSMC) in the regions: Solidarites in Tripoli and Concern in Akkar
  - Sites for Lebanese was done mainly in coordination with the National Poverty Targeting Programme (NPTP)
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# 1. Camp.Tripoli.Syr



Area available for units

64 m<sup>2</sup>

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	0	1	0
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
7 HH x 5 = 35		30 HH x 5 = 50		18



## 2. BC.Tripoli.Leb



Area available for units

48 m2

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	1	1	1
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
8 HH x 5 = 40		10 HH x 5 = 50		24



### 3. GF.Tripoli.Leb



Area available for units

30 m<sup>2</sup>

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	1	1	1
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
8 HH x 5 = 40		4 HH x 5 = 20		23

## 4. GF.Tripoli.SYR



Area available for units

20 m2

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	0	1	0

Direct beneficiaries (person)	Indirect beneficiaries (person)	Number of women (Direct)
7 HH x 5 = 35	1 HH x 5 = 5	14



# 1. BC.Akkar.Leb



Area available for units

24 m<sup>2</sup>

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	1	1	1

Direct beneficiaries (person)	Indirect beneficiaries (person)	Number of women (Direct)
8 HH x 5 = 40	30 HH x 5 = 150	35

## 2. BC.Akkar.Leb



Area available for units

30 m2

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	1	1	1
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
8 HH x 5 = 40		3 HH x 5 = 15		22

### 3. BC.Akkar.Syr



Area available for units

40 m<sup>2</sup>

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	0	1	0
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
7 HH x 5 = 35		12 HH x 5 = 60		16



## 4. Camp.Akkar.Syr



Area available for units

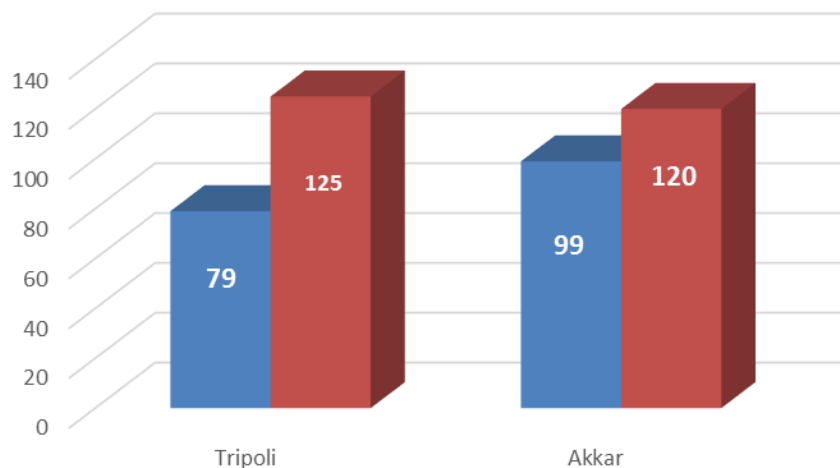
48 m2

AUB Wall	Trolley	Agrotrolley	Standing wall	Barrel
2	3	0	1	0
Direct beneficiaries (person)		Indirect beneficiaries (person)		Number of women (Direct)
7 HH x 5 = 35		5 HH x 5 = 25		16

# Beneficiaries per Region

Tripoli	
Beneficiaries ( Direct )	Beneficiaries ( Indirect )
79	125

Akkar	
Beneficiaries ( Direct )	Beneficiaries ( Indirect )
99	120



■ Beneficiaires direct ■ Beneficiaires indirect



## AUB's Role:

- Setting up garden production units
  - Assessment of participants perception ( before and after ) of micro-garden's unit value in terms acceptability, productivity and cost effectiveness.
  - Training in the use and management of micro-gardening.
  - Evaluation of plant performance and yield
  - Production of a “ how to “ outreach guideline manual
  - Production of an outreach presentation to the households
  - One academic publication
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## Status of the Project

- Units are currently being manufactured
- The equipment are ready to be distributed

## Steps to be done

- Follow-up and monitor sites and units
  - Identify extra sites
  - Objectively analyze each units efficiency
  - Improve design to be easily scalable
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# Thank you

*Contact*

*[Mohamad.Hachicho@fao.org](mailto:Mohamad.Hachicho@fao.org)*

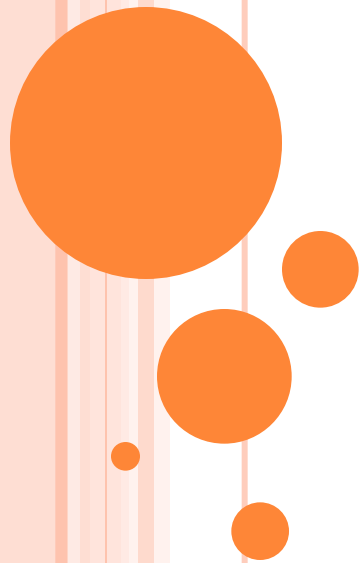
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# COMMUNITY KITCHENS

# HISTORY

- The concept of Community Kitchens have boomed worldwide during the last 20 years.
- The descriptions of these kitchens vary considerably with some mostly focusing on the food production and cooking skills, while others prioritizing the social aspects of these units.





- In Lebanon, the CK concept has gradually evolved with a number of women led cooperatives or associations, in rural and urban areas, producing different types of food.
- Therefore, Community kitchens seem to adapt to the participants' needs.
- As such, the Environment and Sustainable Development Unit in AUB started using this concept for local development.



- In 2012, given the Syrian crisis and the huge influx of displaced people, ESDU and IOCC tried to put together a project proposal to establish community kitchens adapting to the current humanitarian situation knowing that the hot meals could help to bridge the gap between what food refugee families likely have access to and their actual needs.



- An innovative vision of the community kitchen was proposed in which women from both the host and refugee communities would come together to produce healthy traditional meals common to both cultures.
- The Food Heritage Foundation (FHF) assessed the kitchens, the potential organizations and provided technical trainings to the cooking team.



- Food produced would then be directed towards the provision of hot meals to the most vulnerable segments of host communities and refugees.



- This model would mobilize women from both communities, providing them with an income-generating opportunity, while it also plays a role in social cohesion between both communities.
- At the same time, the Community kitchens would address the immediate needs of the most vulnerable families by providing families with nutritional cooked meals that alleviate their food insecurity and increase their dietary diversity.









- It is worth mentioning that sustaining those kitchens might be really challenging.
- (Open discussion for sustainability options).





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