

PRODUCTION OF MICRO GREENS AND OYSTER MUSHROOMS ON EMPTY ROOFTOPS IN CAPE TOWN



WPI



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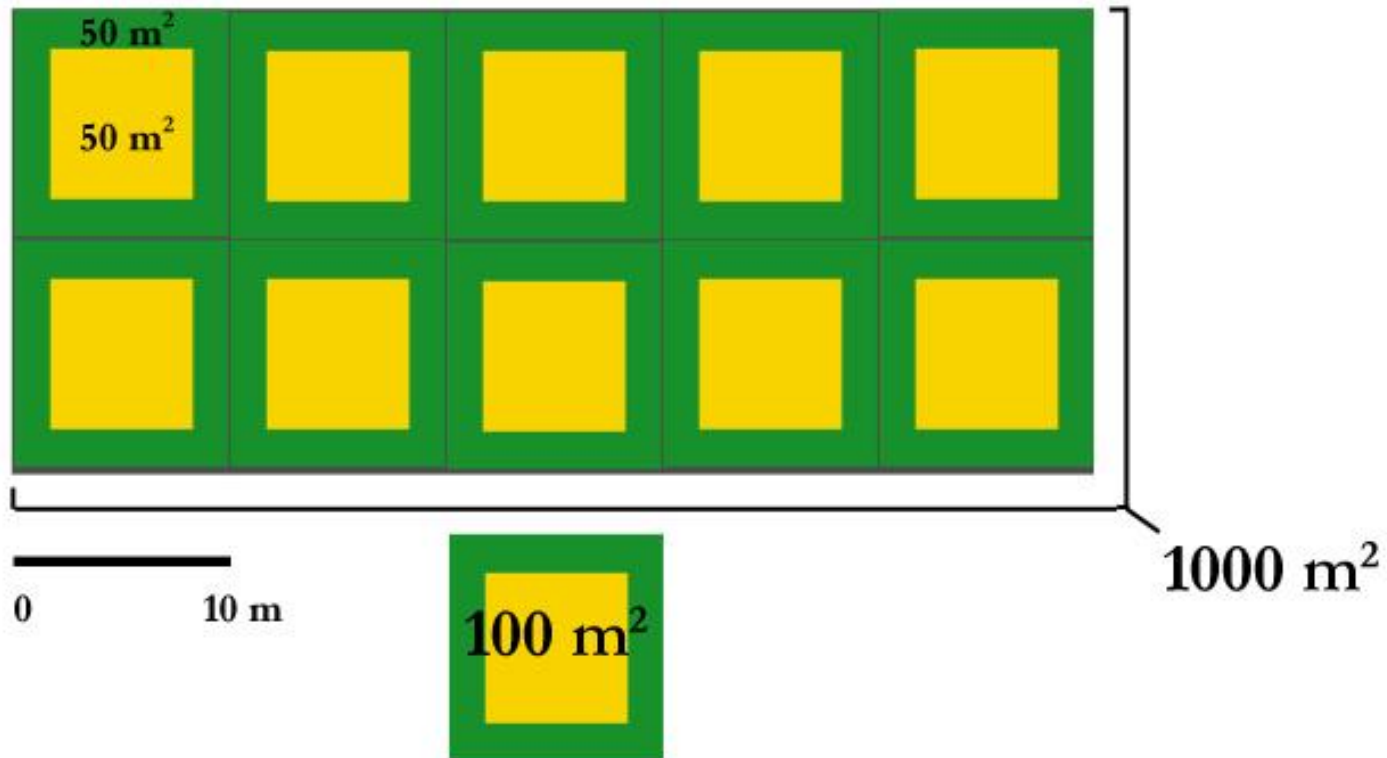
Mission:

- To develop a job creation network of rooftop gardens producing oyster mushrooms and micro greens within the CBD.
- To reduce the carbon footprint of Cape Town.



Programme Potential





The small yellow/green squares are 100 m^2 each.

The green space is 50 m^2 and the yellow space is 50 m^2 .

The green space represents the amount of usable production space

The sum of all 10 squares equals 1000 m^2 .

Job Opportunities

- 10 gardeners
- 1 supervisor

Revenue

Returns on Investment	Price per (Rand/kg)	Production limitations (kg/wk)*	Production limitations (kg/yr)*	Total Revenue (Rand/yr)*
Oyster Mushrooms	60	74	3 815	228 868
Alfalfa Sprouts	65	139	7 245	470 945
Mung Bean Sprouts	60	139	7 245	437 719
Brussel Sprouts	29	488	25 359	725 251
		Total	43 664	1 862 783

* Denotes values for 25% of original calculations

Potential Market



- 99 restaurants in the CBD
- Advertisement opportunities

Funding

Capital Costs

Cost Factors	Price (Rand)
Timber	1 520 833
Bolts and Fixings	291 667
Crates	62 500
Plants	13 859
Soils	55 491
PV Panels	55 491
Water Reticulation	14 734
Latte	38 759
Furniture	38 759
Labour	148 692
Total	2 888 810

Recurring Cost

Cost Factors	First 2 years Projection (Rand)
Training	100 000
Maintenance	150 000
Water	100 000
Seeds and Plants	100 000
Total	450 000

Total Cost for 1000 m²	R 3 338 810
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Prestwich Memorial

- Pilot project opportunity



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