

Cost Calculation of watering gardens

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Garden 600 M²
 Water use: 1,5 M³/day

WATER PRICE

Cost of water	M ³	M ³	Basic Cost	VAT	Fee for water treatment		Price all included
					VAT	VAT	
	0 <	6	188 CFA	0	21	18%	212,78
	6 <	30	393 CFA	0	21	18%	417,78
	30 <	50	1040 CFA	0	21	18%	1064,78
	50 >		1040 CFA	18%	21	18%	1251,98
charges			1000 CFA	18%			1180,00

Average use of water in Brussels 130 l/person/day
 Extra use for showers/handwashing 70 l/person/day
 Number of persons/Household 4
 Extra use for house personnel 100 l/day
 Average days/month 30

Average monthly use for household & personal needs: 27 m³/month

Potential Water savings 50%
 Average water use/month 45 22,5 m³/Month

Cost of TerraCottem (kg) 6264,389
 EUR/CFA 655,957
 Garden construction 200 CFA/m²

Simulation Monthly water invoice

Average Use	Before TC		After TC		Water price
	CFA/m ³	72 m ³	CFA/m ³	49,5	
First slice 0-6 m ³	6	1276,68	6	1276,7	212,78
Second slice 6-30 m ³	24	10026,72	24	10027	417,78
Thirth slice 30-50 m ³	20	21295,6	19,5	20763	1064,78
Over 50 m ³	22	27543,56	0	0	1251,98
Charges	1	1180	1	1180	1180,00
		61323		33247	

Potential savings per month 28076 CFA

	TC	CFA
Investment	60 kg	375.863
Cost of manpower	600 m ²	120.000
Total Cost		495.863
Pay-back time in months		18