

Urban Farming – Budget & Formulas Guide

Budget Estimate (ZAR)

Item	Description	Cost (R)
Containers & Pots	For limited spaces like balconies	R300
Soil Mix	Lightweight, fertile mix	R200
Seeds	Herbs and small vegetables	R100
Watering System	Spray bottles or drip setup	R180
Tools	Small hand tools	R150
Total Estimated Cost		R930

Formulas Used

- Container Volume = $\pi \times r^2 \times \text{height}$
- Number of Pots = Available space \div (pot diameter + gap)
- Water Use = Pots \times daily water (litres)
- Monthly Cost = Seeds + Water + Fertilizer

Tips for Managing the Garden

- Grow vertical or hanging gardens to save space.
- Use recycled containers for eco-friendliness.
- Monitor sunlight exposure for each plant type.
- Start with herbs — they grow fast and save money.