

Household Garden – Budget & Formulas Guide

Budget Estimate (ZAR)

Item	Description	Cost (R)
Seeds	Variety of vegetables (spinach, carrots, tomatoes)	R120
Tools	Small hoe, watering can, trowel	R250
Fertilizer & Compost	Organic compost and small fertilizer bag	R180
Water Use	100L per week (approx. R0.03 per litre)	R12
Protective Netting	For pest control	R90
Total Estimated Cost		R652

Formulas Used

- $\text{Area} = \text{Length} \times \text{Width}$
- $\text{Number of Plants} = \text{Area} \div \text{Spacing}$
- $\text{Water Needed per Week} = \text{Plants} \times \text{Water per plant} \times 7$
- $\text{Total Cost} = \text{Seeds} + \text{Tools} + \text{Fertilizer} + \text{Water} + \text{Netting}$

Tips for Managing the Garden

- Choose easy-to-grow vegetables like spinach, lettuce, and tomatoes.
- Water early in the morning or evening to reduce evaporation.
- Use compost from kitchen waste.
- Rotate crops every season to maintain soil health.