

ENTERPRISE BUDGET

| | | | |
|-------------------------------|--------------|----------------------|--------------------|
| Classification | Vegetables | Province | Western Cape |
| Enterprise Budget Name | Beetroot | District | Cape Metropole |
| Land Size | 1 Hectare | Area | Phillipi |
| Date Developed | 30 June 2016 | Latest update | 12 June 2023 |
| Developer | Asanda Jaffa | Updater | Sinovuyo Magqibelo |
| Soil Type | Sandy | | |

Use this enterprise budget as an aid in the planning process.

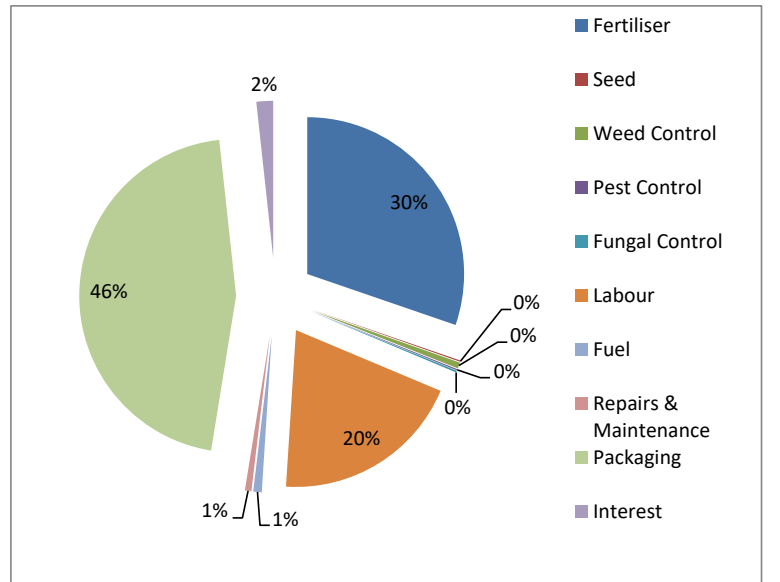
| Description | Unit | Price Per Unit | Quantity | Per Ha | Value Per Yield Unit |
|---------------------------------------------------------------|-----------|----------------|------------------|-------------------|----------------------|
| GROSS INCOME | | | 39 525,00 | 297 623,25 | 7,53 |
| Product Income | | | | | |
| Beetroot Market | Kg | 7,53 | 39 525,00 | 297 623,25 | 7,53 |
| MARKETING COSTS Market | 12,5% | | | 37 202,91 | 0,94 |
| GROSS INCOME minus MARKETING COSTS | | | | 260 420,34 | 6,59 |
| TOTAL ALLOCATABLE VARIABLE COSTS | | | | 172 232,56 | 4,36 |
| DIRECTLY ALLOCATABLE VARIABLE COSTS | | | | 170 157,81 | 4,31 |
| A) PRE-HARVEST COST | | | | | |
| PLANTING MATERIAL | | | | 373,75 | 0,01 |
| Beet-Garden | Kg | 373,75 | 1,00 | 373,75 | 0,01 |
| FERTILISER | | | | 69 475,68 | 1,76 |
| 2:1:5 (37) | Ton | 14 971,60 | 0,30 | 4 491,48 | 0,11 |
| Lime Ammonium Nitrate (28) | Ton | 14 822,58 | 2,36 | 34 981,29 | 0,89 |
| 3:1:5 (38) | Ton | 22 545,52 | 0,30 | 6 763,66 | 0,17 |
| Turbo-31 10:1:5 | Ton | 12 834,20 | 0,30 | 3 850,26 | 0,10 |
| Chicken manure | Ton | 3 877,80 | 5,00 | 19 389,00 | 0,49 |
| HERBICIDES | | | | 884,40 | 0,02 |
| Linuron SC | L | 480,06 | 0,90 | 432,05 | 0,01 |
| Haloxypop-r-methyl | L | 502,61 | 0,90 | 452,35 | 0,01 |
| PESTICIDES/INSECTICIDES | | | | 155,45 | 0,00 |
| Mevinphos 500 SL | L | 914,39 | 0,15 | 137,16 | 0,00 |
| Lamda-cyhalothrin | L | 152,40 | 0,12 | 18,29 | 0,00 |
| FUNGICIDES | | | | 574,15 | 0,01 |
| Copper Hydroxide 120 SC | L | 243,83 | 2,00 | 487,67 | 0,01 |
| Dimethomorph\Mancozeb | Kg | 345,94 | 0,25 | 86,49 | 0,00 |
| CASUAL LABOUR | | | | 4 118,04 | 0,10 |
| Casual Labour Weeding/Day | R/Manday | 228,78 | 18,00 | 4 118,04 | 0,10 |
| B) HARVEST COSTS | | | | | |
| CASUAL LABOUR | | | | 27 046,88 | 0,68 |
| Casual Labour Harvesting/Hour | R/Manhour | 25,42 | 1 064,00 | 27 046,88 | 0,68 |
| PACKAGING MATERIAL | | | | 67 529,46 | 1,71 |
| Plastic bag (425G) | Bag | 0,82 | 82 353,00 | 67 529,46 | 1,71 |
| GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS | | | | 90 262,53 | 2,28 |

| | | | | |
|------------------------------------------------------------|---|-------|------------------|-------------|
| INDIRECTLY ALLOCATABLE VARIABLE COSTS | | | 2 074,75 | 0,05 |
| C) PRE-HARVEST COST | | | | |
| Fuel | L | 20,11 | 846,64 | 0,02 |
| Repairs & Maintenance | | | 629,01 | 0,02 |
| D) HARVEST COSTS | | | | |
| Fuel | L | 20,11 | 327,85 | 0,01 |
| Repairs & Maintenance | | | 271,25 | 0,01 |
| GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS | | | 88 187,79 | 2,23 |
| Interest on Working Capital | | | 5 059,33 | 0,13 |
| MARGIN ABOVE SPECIFIED COSTS | | | 83 128,45 | 2,10 |

| | |
|---------------------------------|--------|
| NOTES: | |
| Interest Rate | 11,75% |
| Growing period of Crop (Months) | 3 |

| SENSITIVITY ANALYSIS | | | | | |
|---------------------------------------|---------------------|----------------|---------------|---------------|----------------|
| YIELD (Kg/ha) | PRICE (R/kg) | | | | |
| YIELD CHANGE AT 10% INCREMENTS | LESS 10% | LESS 5% | ACTUAL | ADD 5% | ADD 10% |
| | R 6,78 | R 7,15 | R 7,53 | R 7,91 | R 8,28 |
| 31 620 | -R 206 | R 11 699 | R 23 604 | R 35 509 | R 47 414 |
| 35 573 | R 26 580 | R 39 973 | R 53 366 | R 66 759 | R 80 152 |
| 39 525 | R 53 366 | R 68 247 | R 83 128 | R 98 010 | R 112 891 |
| 43 478 | R 80 152 | R 96 522 | R 112 891 | R 129 260 | R 145 629 |
| 47 430 | R 106 938 | R 124 796 | R 142 653 | R 160 510 | R 178 368 |
| BREAKEVEN YIELD (Kg/ha) | 26 161 | 24 784 | 23 545 | 22 424 | 21 404 |

| Costs Of Production | R/Ha |
|----------------------------|-------------|
| Fertiliser | 69 475,68 |
| Seed | 373,75 |
| Weed Control | 884,40 |
| Pest Control | 155,45 |
| Fungal Control | 574,15 |
| Labour | 31 164,92 |
| Fuel | 1 174,49 |
| Repairs & Maintenance | 900,26 |
| Packaging | 67 529,46 |
| Interest | 5 059,33 |



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