Western Cape Government

AGRICULTURAL ECONOMICS
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ENTERPRISE BUDGET			
Classification	Vegetable	**Province**	Western Cape
Enterprise Budget Name	Turnips	**District**	Cape Metro
Land Size	1 Hectare	**Area**	Phillipi
Date Developed	05 September 2018	**Latest update**	15 September 2025
Developer	Sinovuyo Magqibelo	**Updater**	Nontembeko Mbusi
Soil Type	Sandy		

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

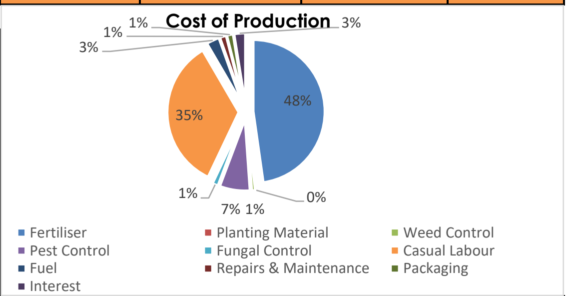
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**38,25**	**340 777,28**	**8 909,21**
Product Income					
Turnips	Tons	8 909,21	38,25	340 777,28	8 909,21
MARKETING COSTS Market	12,5%		4,78	42 597,16	1 113,65
GROSS INCOME minus MARKETING COSTS				**298 180,12**	**7 795,56**
TOTAL ALLOCATABLE VARIABLE COSTS				**152 609,61**	**3 989,79**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**145 697,01**	**3 809,07**
A) PRE-HARVEST COST					
PLANTING MATERIAL				**505,36**	**13,21**
Turnips	Kg	505,36	1,00	505,36	13,21
FERTILISER				**74 790,82**	**1 955,32**
Chicken manure	Ton	4 299,85	2,36	10 164,85	265,75
Lime Ammonium Nitrate (28)	Ton	9 252,21	2,36	21 872,22	571,82
Turbo-31 10:1:5	Kg	11,31	2,36	26,74	0,70
3:1:5 (38)	Ton	14 018,50	2,36	33 139,73	866,40
2:1:5 (37)	Kg	15,98	600,00	9 587,27	250,65
HERBICIDES				**1 251,22**	**32,71**
Metazachlor	L	631,47	0,75	473,61	12,38
Alachlor 480 CS	L	243,01	3,20	777,62	20,33
PESTICIDES/INSECTICIDES				**10 740,10**	**280,79**
Deltamethrin 25EC	L	927,52	0,44	408,11	10,67
Chlorpenapyr	L	3 980,71	2,00	7 961,43	208,14
Mevinphos 500 SL	L	662,28	0,50	331,14	8,66
Flubendiamide	L	6 092,25	0,20	1 218,45	31,85
Lamda-cyhalothrin	L	212,21	0,24	50,93	1,33
Dimethoate 400 EC	L	171,12	4,50	770,04	20,13
FUNGICIDES				**2 076,38**	**54,28**
Tebuconazole 250 EW	L	547,62	0,71	389,91	10,19
Pyraclostrobin / Boscalid	Kg	1 950,89	0,40	780,36	20,40
Tebuconazole / trifloxystrobin	Kg	1 283,40	0,25	320,85	8,39
Copper Hydroxide 120 SC	L	97,54	6,00	585,27	15,30
B) HARVEST COSTS				**54 082,73**	**1 413,93**
Casual Labour Harvesting/Hour	R/Manhour	28,79	1 878,53	54 082,73	1 413,93
PACKAGING MATERIAL				**2 250,40**	**58,83**
Jute Rope (600m)	Kg	97,00	23,20	2 250,40	58,83
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**152 483,11**	**3 986,49**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**6 912,60**	**180,72**
C) PRE-HARVEST COST				
Fuel	L	18,74	1 744,49	45,61
Repairs & Maintenance			731,19	19,12
D) HARVEST COSTS				
Fuel	L	18,74	2 870,98	75,06
Repairs & Maintenance			1 565,94	40,94
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**145 570,51**	**3 805,76**
Interest on Working Capital			4 006,00	104,73
MARGIN ABOVE SPECIFIED COSTS			**141 564,51**	**3 701,03**

NOTES:	
Interest Rate	10,50%
Growing period of Crop (Months)	3

SENSITIVITY ANALYSIS					
YIELD (Ton/ha)	**PRICE (R/Ton)**				
YIELD CHANGE AT 10% INCREMENTS	**LESS 10%**	**LESS 5%**	**ACTUAL**	**ADD 5%**	**ADD 10%**
	R 8 018,29	**R 8 463,75**	**R 8 909,21**	**R 9 354,67**	**R 9 800,13**
31	R 46 147	R 59 778	R 73 409	R 87 040	R 100 671
34	R 76 817	R 92 152	R 107 487	R 122 822	R 138 157
38	R 107 487	R 124 526	R 141 565	R 158 603	R 175 642
42	R 138 157	R 156 899	R 175 642	R 194 385	R 213 128
46	R 168 827	R 189 273	R 209 720	R 230 167	R 250 613
BREAKEVEN YIELD (Ton/Ha)	**25**	**24**	**22**	**21**	**20**

Costs Of Production	**R/Ha**
Fertiliser	74 790,82
Planting Material	505,36
Weed Control	1 251,22
Pest Control	10 740,10
Fungal Control	2 076,38
Casual Labour	54 082,73
Fuel	4 615,47
Repairs & Maintenance	2 297,13
Packaging	2 250,40
Interest	4 006,00



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