

ENTERPRISE BUDGET			
Classification	Vegetable	Province	Western Cape
Enterprise Budget Name	Green beans	District	Cape Winelands
Land Size	1 Hectare	Area	Stellenbosch
Date Developed	09 July 2018	Latest update	20 March 2024
Developer	Mzwanele Lingani/Ayanda Saki	Updater	Nontembeko Mbusi
Soil Type	Sandy-Loam		

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

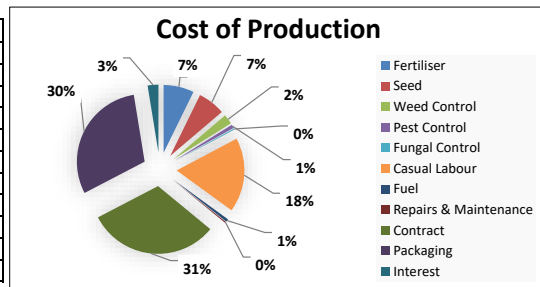
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			14 400,00	251 136,00	17,44
Product Income					
Green Beans Market	Kg	17,44	14 400,00	251 136,00	17,44
MARKETING COSTS Market	12,5%		1 800,00	31 392,00	2,18
GROSS INCOME minus MARKETING COSTS				219 744,00	15,26
TOTAL ALLOCATABLE VARIABLE COSTS				177 039,01	12,29
DIRECTLY ALLOCATABLE VARIABLE COSTS				175 419,46	12,18
A) PRE-HARVEST COST					
PLANTING MATERIAL					
Green Beans (Star 2005)	Kg	253,00	43,60	11 030,80	0,77
FERTILISER				12 275,80	
1.0.1 (36)	Ton	12 075,54	0,28	3 417,38	0,24
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,35	3 490,54	0,24
2:3:2 (22)+ Zinc	Ton	17 825,00	0,23	4 153,23	0,29
Single Super Phosphate 10.5%	Ton	12 146,53	0,10	1 214,65	0,08
HERBICIDES					
Glyphosate	L	157,35	25,00	3 933,69	0,27
PESTICIDES/INSECTICIDES					
Beta-cyfluthrin	L	1 278,13	0,64	818,01	0,06
Lambda-cyhalothrin	L	958,59	0,11	105,45	0,01
Abamectin	L	124,14	1,50	186,21	0,01
Spinosad	L	228,46	1,50	342,69	0,02
FUNGICIDES					
Mancozeb / Metalaxyl	KG	177,56	1,29	229,05	0,02
Hexaconazole	L	193,55	1,20	232,25	0,02
CASUAL LABOUR					
Casual Labour Planting/Hour	R/Manhour	27,58	73,00	2 013,34	0,14
Casual Labour Spraying/Hour	R/Manhour	27,58	30,30	835,67	0,06
Casual Labour Soil Prep/Hour	R/Manhour	27,58	149,33	4 118,52	0,29
Casual Labour Fertiliser Spread/Hour	R/Manhour	27,58	26,67	735,56	0,05
IRRIGATION & ELECRICITY				0,00	0,00
B) HARVEST COSTS					
Casual Labour Harvesting/Hour	R/Manhour	27,58	810,00	22 339,80	1,55
PACKAGING MATERIAL					
Box (3.5KG)	Each	12,36	4 114,00	50 859,33	3,53
CONTRACT					
Bakkie Hire	Trip	775	68,50	53 087,50	3,69
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				44 324,54	3,08

INDIRECTLY ALLOCATABLE VARIABLE COSTS			1 619,54	0,11
C) PRE-HARVEST COST				
Fuel	L	20,88	1 164,28	0,08
Repairs & Maintenance			455,26	0,03
D) HARVEST COSTS				
Fuel	L	20,88	0,00	0,00
Repairs & Maintenance			0,00	0,00
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			42 704,99	2,97
Interest on Working Capital			4 333,77	0,30
MARGIN ABOVE SPECIFIED COSTS			38 371,23	2,66

NOTES:	
Interest Rate	11,75%
Growing period of Crop (Months)	2,5

SENSITIVITY ANALYSIS					
YIELD (KG/ha)	PRICE (R/KG)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 15,70	R 16,57	R 17,44	R 18,31	R 19,18
11 520	-R 31 947	-R 21 901	-R 11 856	-R 1 811	R 8 235
12 960	-R 9 345	R 1 957	R 13 258	R 24 559	R 35 860
14 400	R 13 258	R 25 814	R 38 371	R 50 928	R 63 485
15 840	R 35 860	R 49 672	R 63 485	R 77 297	R 91 110
17 280	R 58 462	R 73 530	R 88 598	R 103 667	R 118 735
BREAKEVEN YIELD (bunches/Ha)	13 555	12 842	12 200	11 619	11 091

Costs Of Production	R/Ha
Fertiliser	12 275,80
Seed	11 030,80
Weed Control	3 933,69
Pest Control	1 452,35
Fungal Control	461,31
Casual Labour	30 042,89
Fuel	1 164,28
Repairs & Maintenance	455,26
Contract	53 087,50
Packaging	50 859,33
Interest	4 333,77



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